

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2005, 08:41:02 ; Search time 3 Seconds
(without alignments)
3.170 Million cell updates/sec

Title: US-09-940-235-4

Perfect score: 627

Sequence: 1 PIAEKCFDHAAGTSYVGET.....BRHTSVQTTSGSGPFTDVR 110

Scoring table:

BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 23 seqs, 43234 residues

Total number of hits satisfying chosen parameters: 46

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:

-MODEL=frame+ p2n.model -DEV=soft -Q=pending Patents AA Main:US-09-940-235-4
-DB=rnp2.p2p -SUFFIX=ptc -OUT=align4_150_259_rnpm -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=150 -END=259 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=ptc -THR MAX=100 -THR MIN=0 -ALIGN=45
-MODE=LOCAL -OUTFWT=ptc -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-NCPU=6 -NO XLPXY -NEG SCORES=0 -LONGLOG -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FGAPOP=6 -FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : rnp2.p2p:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	627	100.0	1541	1	US-09-471-349-9 Sequence 9, Appli
2	627	100.0	1541	1	US-09-940-235-9 Sequence 9, Appli
3	627	100.0	1541	1	US-10-631-558-9 Sequence 9, Appli
4	627	100.0	2096	1	US-09-471-349-12 Sequence 12, Appl
5	627	100.0	2096	1	US-09-940-235-12 Sequence 12, Appl
6	627	100.0	2096	1	US-10-631-558-12 Sequence 12, Appl
7	497.5	79.3	1782	1	US-09-471-349-11 Sequence 11, Appl
8	497.5	79.3	1782	1	US-09-940-235-11 Sequence 11, Appl
9	497.5	79.3	1782	1	US-10-631-558-11 Sequence 11, Appl
10	148.5	23.7	1661	1	US-09-471-349-10 Sequence 10, Appl
11	148.5	23.7	1661	1	US-09-940-235-10 Sequence 10, Appl
12	148.5	23.7	1661	1	US-10-631-558-10 Sequence 10, Appl
C 13	45	7.2	1541	1	US-09-471-349-9 Sequence 9, Appli
C 14	45	7.2	1541	1	US-09-940-235-9 Sequence 9, Appli
C 15	45	7.2	1541	1	US-10-631-558-9 Sequence 9, Appli
C 16	45	7.2	1782	1	US-09-471-349-11 Sequence 11, Appl
C 17	45	7.2	1782	1	US-09-940-235-11 Sequence 11, Appl
C 18	45	7.2	1782	1	US-10-631-558-11 Sequence 11, Appl
C 19	45	7.2	2096	1	US-09-471-349-12 Sequence 12, Appl
C 20	45	7.2	2096	1	US-09-940-235-12 Sequence 12, Appl
C 21	45	7.2	2096	1	US-10-631-558-12 Sequence 12, Appl

22	38.5	6.1	8893	1	US-09-569-920-3	Sequence 3, Appli
C 23	37.5	6.0	8893	1	US-09-569-920-3	Sequence 3, Appli
C 24	33.5	5.3	1245	1	US-09-471-349-1	Sequence 1, Appli
C 25	33.5	5.3	1245	1	US-09-940-235-1	Sequence 1, Appli
C 26	33.5	5.3	1245	1	US-10-631-558-1	Sequence 1, Appli
C 27	33.5	5.3	1254	1	US-09-569-920-2	Sequence 2, Appli
C 28	33.5	5.3	1327	1	US-09-471-349-6	Sequence 6, Appli
C 29	33.5	5.3	1327	1	US-09-940-235-6	Sequence 6, Appli
C 30	33.5	5.3	1327	1	US-10-631-558-6	Sequence 6, Appli
C 31	33.5	5.3	1377	1	US-09-471-349-5	Sequence 5, Appli
C 32	33.5	5.3	1377	1	US-09-940-235-5	Sequence 5, Appli
C 33	33.5	5.3	1377	1	US-10-631-558-5	Sequence 5, Appli
C 34	33.5	5.3	1661	1	US-09-471-349-10	Sequence 10, Appl
C 35	33.5	5.3	1661	1	US-09-940-235-10	Sequence 10, Appl
C 36	33.5	5.3	1661	1	US-10-631-558-10	Sequence 10, Appl
37	31.5	5.0	1245	1	US-09-471-349-1	Sequence 1, Appli
38	31.5	5.0	1245	1	US-09-940-235-1	Sequence 1, Appli
39	31.5	5.0	1245	1	US-10-631-558-1	Sequence 1, Appli
40	31.5	5.0	1254	1	US-09-569-920-2	Sequence 2, Appli
41	31.5	5.0	1327	1	US-09-471-349-6	Sequence 6, Appli
42	31.5	5.0	1327	1	US-09-940-235-6	Sequence 6, Appli
43	31.5	5.0	1327	1	US-10-631-558-6	Sequence 6, Appli
44	31.5	5.0	1377	1	US-09-471-349-5	Sequence 5, Appli
45	31.5	5.0	1377	1	US-09-940-235-5	Sequence 5, Appli

ALIGNMENTS

RESULT 1

US-09-471-349-9
; Sequence 9, Application US/09471349
; GENERAL INFORMATION:

; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir

; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98

; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1541

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-9

Alignment Scores:
Pred. No.: 0.0492 Length: 1541
Score: 627.00 Matches: 110
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-09-471-349-9 (1-1541)

QY	150	ProfileAlaGluLysCysPheaspHisAlaAaglyThrSertYrValValGlyGluThr	169
Db	1209	CCCATAGCTGGAAGTGTTCATCATGCTGCGGACATTCCTATGTGGTCGGGAACG	1268
QY	170	TrpGluLysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySer	189

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Db 1269 TGGGAGAAGCCCTACCAAGGCTGGATGATGTAGATTGCTTGTCTGGGAGAAGGCAGC 1328
Qy 190 GlyArgIleThrCysThrSerArgAsnArgCysAsnAspGlnAspThrArgThrSerTyr 209
Db 1329 GGAGCATCACTTGCACCTTCTAGAAATAGATGCAACGATCAGGACACAAAGGACATCCTAT 1388
Qy 210 ArgIleGlyAspThrTrpSerLysLysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 1389 AGAATTGGAGACACCTGGAGCAGAAGGATAATCGAGGAAACCTCTCCAGTGCATCTGC 1448
Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrThrSer 249
Db 1449 ACAGGCACGCCCGGAGGAGTGGAAAGTGTGAGAGGCACACCTCTGTGCAGACCATCG 1508
Qy 250 SerGlySerGlyProPheThrAspValArg 259
Db 1509 AGCGGATCTGGCCCTTCACCGATGTTGCT 1538

RESULT 2
US-09-940-235-9
; Sequence 9, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-9

Alignment Scores:
Pred. No.: 0.0492 Length: 1541
Score: 627.00 Matches: 110
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-09-940-235-9 (1-1541)
Qy 150 ProfileAlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThr 169
Db 1209 CCCATAGCTGAGAGTGTGATCATGCTGCTGGGACTTCCTATGTGTCGGAGAAACG 1268
Qy 170 TrpGluLysProTyrGlnGlyTrpMetValAspCysThrCysLeuGlyGlySer 189
Db 1269 TGGGAGAAGCCCTACCAAGGCTGGATGATGTTGATTTGCTGAGACTTCCTATGTGTCGGAGAAACG 1268
Qy 190 GlyArgIleThrCysThrSerArgAsnArgCysAsnAspGlnAspThrArgThrSerTyr 209
Db 1329 GGAGCATCACTTGCACCTTCTAGAAATAGATGCAACGATCAGGACACAAAGGACATCCTAT 1388
Qy 210 ArgIleGlyAspThrTrpSerLysLysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 1389 AGAATTGGAGACACCTGGAGCAGAAGGATAATCGAGGAAACCTCTCCAGTGCATCTGC 1448
Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrThrSer 249

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Db 1389 AGAATTGGAGACACCTGGAGCAGAAGGATAATCGAGGAAACCTGTCTCCAGTGCATCTGC 1448
Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrThrSer 249
Db 1449 ACAGGCACGCCCGGAGGAGTGGAAAGTGTGAGAGGCACACCTCTGTGCAGACCATCG 1508
Qy 250 SerGlySerGlyProPheThrAspValArg 259
Db 1509 AGCGGATCTGGCCCTTCACCGATGTTGCT 1538

RESULT 3
US-10-631-558-9
; Sequence 9, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-9

Alignment Scores:
Pred. No.: 0.0492 Length: 1541
Score: 627.00 Matches: 110
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-10-631-558-9 (1-1541)
Qy 150 ProfileAlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThr 169
Db 1209 CCCATAGCTGAGAGTGTGATCATGCTGCTGGGACTTCCTATGTGTCGGAGAAACG 1268
Qy 170 TrpGluLysProTyrGlnGlyTrpMetValAspCysThrCysLeuGlyGlySer 189
Db 1269 TGGGAGAAGCCCTACCAAGGCTGGATGATGTTGATTTGCTGAGACTTCCTATGTGTCGGAGAAACG 1268
Qy 190 GlyArgIleThrCysThrSerArgAsnArgCysAsnAspGlnAspThrArgThrSerTyr 209
Db 1329 GGAGCATCACTTGCACCTTCTAGAAATAGATGCAACGATCAGGACACAAAGGACATCCTAT 1388
Qy 210 ArgIleGlyAspThrTrpSerLysLysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 1389 AGAATTGGAGACACCTGGAGCAGAAGGATAATCGAGGAAACCTGTCTCCAGTGCATCTGC 1448
Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrThrSer 249

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RESULT. T 4

US-09-940-235-4 (1-259) x US-09-471-349-12 (1-2096)

RESULT 5

US-09-940-235-12
; Sequence 12, Application US/09940235
; GENERAL INFORMATION:

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; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-11

Alignment Scores:
Pred. No.: 0.193 Length: 1782
Score: 497.50 Matches: 94
Percent Similarity: 85.45% Conservative: 0
Best Local Similarity: 85.45% Mismatches: 1
Query Match: 79.35% Indels: 16
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-471-349-11 (1-1782)
Qy 150 ProtleAlaGluLysCysPheAspHisAlaLaGlyThrSerTyrValValGlyGluThr 169
Db 254 CCCATAGCTGAGAAGTGTITTTGATCATGCTGCTGGGACTTCTCTATGTGTGCGAAGAACG 313
Qy 170 TrpGluLysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySer 189
Db 314 TGGGA-----GAGGCGAGC 327
Qy 190 GlyArgIleThrCysThrSerArgAsnArgCysAsnAspGlnAspThrArgThrSerTyr 209
Db 328 GGACGCATCACTTCGACTTCTAGAAATAGATCAACGATCATCAGACACAGGACATCCTAT 387
Qy 210 ArgIleGlyAspThrTrpSerIstysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 388 AGAATTGGAGACACCTGGAGCAAGAAGGATATTCGAGGAACCTGCTCCAGTGCATCTGC 447
Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrThrSer 249
Db 448 ACAGCAACGCGCCGAGGAGATGGAGTGTGAGAGGTCGAGAGGCACACCTCTGTGAGACCATCG 507
Qy 250 SerGlySerGlyProPheThrAspValArg 259
Db 508 AGCGGATCTGGCCCTTCAACGATGTCGT 537

RESULT 8
US-09-940-235-11
; Sequence 11, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF S
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782

```

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-11

Alignment Scores:
Pred. No.: 0.193 Length: 1782
Score: 497.50 Matches: 94
Percent Similarity: 85.45% Conservative: 0
Best Local Similarity: 85.45% Mismatches: 1
Query Match: 79.35% Indels: 16
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-11 (1-1782)
QY 150 ProfileAlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThr 169
DB 254 CCCATAGCTGAGAGTGTGTTGATCATGCTGCTGGGACTTCTATGTGTCGGAGAAACG 313
QY 170 TrpGluLysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySer 189
DB 314 TGGGA-----GAAGGCAGC 327
QY 190 GlyArgIleThrCysThrSerArgAsnArgCysAsnAspGlnAspThrArgThrSerTyr 209
DB 328 GGACGCATCACTTGCACCTTCTAGAAATAGATGCAACGATCAGGACACACATCCTAT 387
QY 210 ArgIleGlyAspThrTrpSerLysLysAspAsnArgGlyAsnLeuGlnCysIleCys 229
DB 388 AGAATTGGAGACACCTGGAGCAAGAGATATCGAGGAAACCTCTCCAGTGCATCTGC 447
QY 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrSer 249
DB 448 ACAGCAACGCGCGAGAGAGTGGAAAGTGTGAGAGGCACACCTCTGTGCAGACCATCG 507
QY 250 SerGlySerGlyProPheThrAspValArg 259
DB 508 AGCGGATCTGGCCCTTCACCGATGTTGCT 537

RESULT 9
US-10-631-558-11
; Sequence 11, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chaith
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-11

```

```

Alignment Scores:
Pred. No.: 0.193 Length: 1782
Score: 497.50 Matches: 94
Percent Similarity: 85.45% Conservative: 0
Best Local Similarity: 85.45% Mismatches: 1
Query Match: 79.35% Indels: 16
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-10-631-558-11 (1-1782)
QY 150 ProfileAlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThr 169
DB 254 CCCATAGCTGAGAGTGTGTTGATCATGCTGCTGGGACTTCTATGTGTCGGAGAAACG 313
QY 170 TrpGluLysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySer 189
DB 314 TGGGA-----GAAGGCAGC 327
QY 190 GlyArgIleThrCysThrSerArgAsnArgCysAsnAspGlnAspThrArgThrSerTyr 209
DB 328 GGACGCATCACTTGCACCTTCTAGAAATAGATGCAACGATCAGGACACACATCCTAT 387
QY 210 ArgIleGlyAspThrTrpSerLysLysAspAsnArgGlyAsnLeuGlnCysIleCys 229
DB 388 AGAATTGGAGACACCTGGAGCAAGAGATATCGAGGAAACCTCTCCAGTGCATCTGC 447
QY 230 ThrGlyAsnGlyArgGlyGluTrpLysCysGluArgHisThrSerValGlnThrSer 249
DB 448 ACAGCAACGCGCGAGAGAGTGGAAAGTGTGAGAGGCACACCTCTGTGCAGACCATCG 507
QY 250 SerGlySerGlyProPheThrAspValArg 259
DB 508 AGCGGATCTGGCCCTTCACCGATGTTGCT 537

RESULT 10
US-09-471-349-10
; Sequence 10, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaith
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-10

Alignment Scores:
Pred. No.: 7.05 Length: 1661
Score: 148.50 Matches: 34
Percent Similarity: 54.44% Conservative: 15
Best Local Similarity: 37.78% Mismatches: 30
Query Match: 23.68% Indels: 11
DB: 1 Gaps: 6

US-09-940-235-4 (1-259) x US-09-471-349-10 (1-1661)

```

```

Qy 155 CysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrpGluLysProTyr 174
Db 1401 TGTATGACAAAT-----GGAAACACATATCAGATAAATCAACAGTGGGAGCGGACCTAC 1454
Qy 175 GlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArgIleThrCys 194
Db 1455 CTAGGTAATGTGTGGTT---TGTACTTGTATTATGGA---GGAAGCGGAGGTTTAACTGC 1508
Qy 195 ThrSerArg-----AsnArgCysAsnAspGlnAspThrArgThrSerTyrArg 210
Db 1509 GAAAGTAAACCTGAAGCTGAAGAGACTTGTCTTGACAAGTACACTGGGAACACTTACCGA 1568
Qy 211 IleGlyAspThrTrpSerLys---LysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 1569 GTGGGTGACACTTATGAGCGTCTCTAAAGACTCCATG-----ATCTGGGACTGTACCTGC 1622
Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCys 239
Db 1623 ATCGGGGCTGGCGGAGGAGAGATAAGCTGT 1652

RESULT 11
US-09-940-235-10
; Sequence 10, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-10

Alignment Scores:
Pred. No.: 7.05 Length: 1661
Score: 148.50 Matches: 34
Percent Similarity: 54.44% Conservative: 15
Best Local Similarity: 37.78% Mismatches: 30
Query Match: 23.68% Indels: 11
DB: 1 Gaps: 6

US-09-940-235-4 (1-259) x US-09-940-235-10 (1-1661)
Qy 155 CysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrpGluLysProTyr 174
Db 1401 TGTATGACAAAT-----GGAAACACATATCAGATAAATCAACAGTGGGAGCGGACCTAC 1454
Qy 175 GlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArgIleThrCys 194
Db 1455 CTAGGTAATGTGTGGTT---TGTACTTGTATTATGGA---GGAAGCGGAGGTTTAACTGC 1508
Qy 195 ThrSerArg-----AsnArgCysAsnAspGlnAspThrArgThrSerTyrArg 210
Db 1509 GAAAGTAAACCTGAAGCTGAAGAGACTTGTCTTGACAAGTACACTGGGAACACTTACCGA 1568
Qy 211 IleGlyAspThrTrpSerLys---LysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 1569 GTGGGTGACACTTATGAGCGTCTCTAAAGACTCCATG-----ATCTGGGACTGTACCTGC 1622
Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCys 239
Db 1623 ATCGGGGCTGGCGGAGGAGAGATAAGCTGT 1652

RESULT 12
US-10-631-558-10
; Sequence 10, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-10

Alignment Scores:
Pred. No.: 7.05 Length: 1661
Score: 148.50 Matches: 34
Percent Similarity: 54.44% Conservative: 15
Best Local Similarity: 37.78% Mismatches: 30
Query Match: 23.68% Indels: 11
DB: 1 Gaps: 6

US-09-940-235-4 (1-259) x US-10-631-558-10 (1-1661)
Qy 155 CysPheAspHisAlaAlaGlyThrSerTyrValValGlyGluThrTrpGluLysProTyr 174
Db 1401 TGTATGACAAAT-----GGAAACACATATCAGATAAATCAACAGTGGGAGCGGACCTAC 1454
Qy 175 GlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArgIleThrCys 194
Db 1455 CTAGGTAATGTGTGGTT---TGTACTTGTATTATGGA---GGAAGCGGAGGTTTAACTGC 1508
Qy 195 ThrSerArg-----AsnArgCysAsnAspGlnAspThrArgThrSerTyrArg 210
Db 1509 GAAAGTAAACCTGAAGCTGAAGAGACTTGTCTTGACAAGTACACTGGGAACACTTACCGA 1568
Qy 211 IleGlyAspThrTrpSerLys---LysAspAsnArgGlyAsnLeuGlnCysIleCys 229
Db 1569 GTGGGTGACACTTATGAGCGTCTCTAAAGACTCCATG-----ATCTGGGACTGTACCTGC 1622
Qy 230 ThrGlyAsnGlyArgGlyGluTrpLysCys 239
Db 1623 ATCGGGGCTGGCGGAGGAGAGATAAGCTGT 1652

```

```
RESULT 13
US-09-471-349-9/c
; Sequence 9, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-9

Alignment Scores:
Pred. No.: 17.9 Length: 1541
Score: 45.00 Matches: 13
Percent Similarity: 40.82% Conservative: 7
Best Local Similarity: 26.53% Mismatches: 13
Query Match: 7.18% Indels: 16
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-471-349-9 (1-1541)
Qy 152 AlaGluLysCysPheAspHisAlaGlyThrSerTyrValValGlyGluThrTrpGlu 171
Db 1497 GCACAGAGGTGCTCTCTCAC-----ACTTCACCTCTCTCGGCCGT----- 1456
Qy 172 LysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
Db 1455 -----TGCTGTGCAGATGCACCTGGAGCAGGTTTC 1426

Qy 192 IleThrCysThrSerArgAsnArgCys 200
Db 1425 CTCGATTATCCTTCTTGTCTCCAGGTGT 1399

RESULT 14
US-10-631-558-9/c
; Sequence 9, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-9

Alignment Scores:
Pred. No.: 17.9 Length: 1541
Score: 45.00 Matches: 13
Percent Similarity: 40.82% Conservative: 7
Best Local Similarity: 26.53% Mismatches: 13
Query Match: 7.18% Indels: 16
```

```

DB:
US-09-940-235-4 (1-259) x US-10-631-558-9 (1-1541)
QY 152 AlaGluLysCysPheAspHisAlaGlyThrSerTyrValValGlyGluThrTrpGlu 171
Db 1497 GCACAGAGGTGCTCTCAC-----ACTTCCACTCTCTCGGCCGT----- 1456
QY 172 LysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
Db 1455 -----TGCCTGTGCAGATGCATGTCGAGCAGGTTTC 1426
QY 192 IleThrCysThrSerArgAsnArgCys 200
Db 1425 CTCGATTATCCTTCTTGTCTCCAGGTGT 1399
RESULT 16
US-09-471-349-11/c
; Sequence 11, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 1782
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-11
Alignment Scores:
Pred. No.: 18 Length: 1782
Score: 45.00 Matches: 13
Percent Similarity: 40.82% Conservative: 7
Best Local Similarity: 26.53% Mismatches: 13
Query Match: 7.18% Indels: 16
DB: 1 Gaps: 2
US-09-940-235-4 (1-259) x US-09-471-349-11 (1-1782)
QY 152 AlaGluLysCysPheAspHisAlaGlyThrSerTyrValValGlyGluThrTrpGlu 171
Db 496 GCACAGAGGTGCTCTCAC-----ACTTCCACTCTCTCGGCCGT----- 455
QY 172 LysProTyrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
Db 454 -----TGCCTGTGCAGATGCATGTCGAGCAGGTTTC 425
QY 192 IleThrCysThrSerArgAsnArgCys 200
Db 424 CTCGATTATCCTTCTTGTCTCCAGGTGT 398
RESULT 17
US-10-631-558-11/c
; Sequence 11, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
;
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28

```


; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 11
 ; LENGTH: 1782
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Hybrid cassette
 US-10-631-558-11

Alignment Scores:
 Pred. No.: 18 Length: 1782
 Score: 45.00 Matches: 13
 Percent Similarity: 40.82% Conservative: 7
 Best Local Similarity: 26.53% Mismatches: 13
 Query Match: 7.18% Indels: 16
 DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-10-631-558-11 (1-1782)

Qy 152 AlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrrValValGlyGluThrTrpGlu 171
 |||:|||||
 Db 496 GCACAGAGGTGCTCTCTCAC-----ACTTCCACTCTCTCGGCCGT----- 455
 Qy 172 LysProTyrrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
 |||:|||||
 Db 454 -----TGCTGTGCAGATGCACCTGGAGCAGGTTTC 425
 Qy 192 IleThrCysThrSerArgAsnArgCys 200
 |||:|||||
 Db 424 CTCGATTATCTCTTGTCTCCAGGTGT 398

RESULT 19

US-09-471-349-12/c

; Sequence 12, Application US/09471349

; GENERAL INFORMATION:

; APPLICANT: Kumar, Rajesh

; APPLICANT: Sahni, Girish

; APPLICANT: Roy, Chaiti

; APPLICANT: Rajagopal, Kammar

; APPLICANT: Nihalani, Deepak

; APPLICANT: Sundaram, Vasudha

; APPLICANT: Yadav, Mahavir

; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED

; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE

; FILE REFERENCE: 07064/009001

; CURRENT APPLICATION NUMBER: US/09/471,349

; PRIOR FILING DATE: 1999-12-23

; PRIOR FILING DATE: 1998-12-24

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 12

; LENGTH: 2096

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetically generated primer

US-09-471-349-12

Alignment Scores:
 Pred. No.: 18.1 Length: 2096
 Score: 45.00 Matches: 13
 Percent Similarity: 40.82% Conservative: 7
 Best Local Similarity: 26.53% Mismatches: 13
 Query Match: 7.18% Indels: 16
 DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-471-349-12 (1-2096)

Qy 152 AlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrrValValGlyGluThrTrpGlu 171
 |||:|||||
 Db 2052 GCACAGAGGTGCTCTCTCAC-----ACTTCCACTCTCTCGGCCGT----- 2011

Qy 172 LysProTyrrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
 |||:|||||
 Db 2010 -----TGCTGTGCAGATGCACCTGGAGCAGGTTTC 1981
 Qy 192 IleThrCysThrSerArgAsnArgCys 200
 |||:|||||
 Db 1980 CTCGATTATCTCTTGTCTCCAGGTGT 1954

RESULT 20

US-09-940-235-12/c

; Sequence 12, Application US/09940235

; GENERAL INFORMATION:

; APPLICANT: Kumar, Rajesh

; APPLICANT: Sahni, Girish

; APPLICANT: Roy, Chait

; APPLICANT: Rajagopal, Kammar

; APPLICANT: Nihalani, Deepak

; APPLICANT: Sundaram, Vasudha

; APPLICANT: Yadav, Mahavir

; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE

; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION

; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID

; FILE REFERENCE: 07064-009002

; CURRENT APPLICATION NUMBER: US/09/940,235

; PRIOR FILING DATE: 2002-04-09

; PRIOR FILING DATE: 1999-12-23

; PRIOR FILING DATE: 1998-12-24

; NUMBER OF SEQ ID NOS: 28

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 12

; LENGTH: 2096

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Hybrid cassette

US-09-940-235-12

Alignment Scores:

Pred. No.: 18.1 Length: 2096
 Score: 45.00 Matches: 13
 Percent Similarity: 40.82% Conservative: 7
 Best Local Similarity: 26.53% Mismatches: 13
 Query Match: 7.18% Indels: 16
 DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-12 (1-2096)

Qy 152 AlaGluLysCysPheAspHisAlaAlaGlyThrSerTyrrValValGlyGluThrTrpGlu 171
 |||:|||||
 Db 2052 GCACAGAGGTGCTCTCTCAC-----ACTTCCACTCTCTCGGCCGT----- 2011

Qy 172 LysProTyrrGlnGlyTrpMetMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
 |||:|||||
 Db 2010 -----TGCTGTGCAGATGCACCTGGAGCAGGTTTC 1981

Qy 192 IleThrCysThrSerArgAsnArgCys 200
 |||:|||||

Db 1980 CTCGATTATCTCTTGTCTCCAGGTGT 1954

RESULT 21

US-10-631-558-12/c

; Sequence 12, Application US/10631558

; GENERAL INFORMATION:

; APPLICANT: Kumar, Rajesh

; APPLICANT: Sahni, Girish

; APPLICANT: Roy, Chait

; APPLICANT: Rajagopal, Kammar

; APPLICANT: Nihalani, Deepak

; APPLICANT: Sundaram, Vasudha

```
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 2096
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-12

Alignment Scores:
Pred. No.:      18.1      Length:      2096
Score:          45.00     Matches:      13
Percent Similarity: 40.82% Conservative: 7
Best Local Similarity: 26.53% Mismatches: 13
Query Match:     7.18%   Indels:      16
DB:              1       Gaps:       2

US-09-940-235-4 (1-259) x US-10-631-558-12 (1-2096)
Qy 152 AlaGluLysCysPheAspHisAlaGlyThrSerTyValValGlyGluThrTrpGlu 171
Db 2052 GCACAGAGGTGTGCTCTCAC-----ACTTCCACTCTCTCGGCGT----- 2011
Qy 172 LysProTyGlnGlyTrpMetValAspCysThrCysLeuGlyGluGlySerGlyArg 191
Db 2010 -----TGCCTGTGCAGATGCACCTGGAGCAGGTTTC 1981
Qy 192 IleThrCysThrSerArgAsnArgCys 200
Db 1980 CTCGATTATCTTCTTGTCTCCAGGTGT 1954

RESULT 22
US-09-569-920-3
; Sequence 3, Application US/09569920
; GENERAL INFORMATION:
; APPLICANT: Reddy, Vemuri B.
; APPLICANT: Lerner, Ethan
; TITLE OF INVENTION: VASODILATOR-THROMBOLYTIC FUSION PROTEIN
; TITLE OF INVENTION: AND CONJUGATES
; FILE REFERENCE: 10284-026001
; CURRENT APPLICATION NUMBER: US/09/569,920
; CURRENT FILING DATE: 2000-05-11
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 8893
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-569-920-3

Alignment Scores:
Pred. No.:      19.7      Length:      8893
Score:          38.50     Matches:      11
Percent Similarity: 38.64% Conservative: 6
Best Local Similarity: 25.00% Mismatches: 10
Query Match:     6.14%   Indels:      17

US-09-940-235-4 (1-259) x US-09-569-920-3 (1-8893)
Qy 184 CysLeuGly---GluGlySerGlyArgIleThrCysThrSerArgAsnArgCysAsnAsp 202
Db 3881 TGCTCGGCGCGTCTGCGTCTGCGTGGTGCATAAATATCTCACTCGCAATCAAAATCA 3822
Qy 203 GlnAspThrArgThrSerTyArgIle 211
Db 3821 GCCGATAGCGGAACGGAGGCGACTG 3795

RESULT 24
US-09-471-349-1/c
; Sequence 1, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
```

```
DB:              1       Gaps:      2

US-09-940-235-4 (1-259) x US-09-569-920-3 (1-8893)
Qy 199 ArgCysAsnAspGlnAspThrArgThrSerTyArgIleGlyAspThrTrpSerLys--- 217
Db 3933 AGATGCTCC-----ACGCCAGTCGCGTACCGTCTTCATGGGGAATAA 3977
Qy 218 -----LysAspAsnArgGlyAsnLeuLeuGln 226
Db 3978 ATACTGTTGATGGGTGTTCTGTCGACAGACATCAAGAAATAACGCCGGAACATTAGTCAG 4037
Qy 227 CysIleCysThr 230
Db 4038 GCAGCTTCACCA 4049

RESULT 23
US-09-569-920-3/c
; Sequence 3, Application US/09569920
; GENERAL INFORMATION:
; APPLICANT: Reddy, Vemuri B.
; APPLICANT: Lerner, Ethan
; TITLE OF INVENTION: VASODILATOR-THROMBOLYTIC FUSION PROTEIN
; TITLE OF INVENTION: AND CONJUGATES
; FILE REFERENCE: 10284-026001
; CURRENT APPLICATION NUMBER: US/09/569,920
; CURRENT FILING DATE: 2000-05-11
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 8893
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-569-920-3

Alignment Scores:
Pred. No.:      19.8      Length:      8893
Score:          37.50     Matches:      10
Percent Similarity: 51.72% Conservative: 5
Best Local Similarity: 34.48% Mismatches: 13
Query Match:     5.98%   Indels:      1
DB:              1       Gaps:      1

US-09-940-235-4 (1-259) x US-09-569-920-3 (1-8893)
Qy 184 CysLeuGly---GluGlySerGlyArgIleThrCysThrSerArgAsnArgCysAsnAsp 202
Db 3881 TGCTCGGCGCGTCTGCGTCTGCGTGGTGCATAAATATCTCACTCGCAATCAAAATCA 3822
Qy 203 GlnAspThrArgThrSerTyArgIle 211
Db 3821 GCCGATAGCGGAACGGAGGCGACTG 3795

RESULT 24
US-09-471-349-1/c
; Sequence 1, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
```

```
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-09-471-349-1

Alignment Scores:
Pred. No.: 19.6 Length: 1245
Score: 33.50 Matches: 10
Percent Similarity: 41.94% Conservative: 3
Best Local Similarity: 32.26% Mismatches: 6
Query Match: 5.34% Indels: 12
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-471-349-1 (1-1245)
QY 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValAspCysThr----- 183
Db 537 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGGAGTAACCTGTACAGTATATCCAC 478
QY 184 -----CysLeuGly 186
Db 477 ATCAACAGATTTCGCTTGGTTTGTATTGGT 447

RESULT 25
US-09-940-235-1/c
; Sequence 1, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; PRIOR FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-10-631-558-1

Alignment Scores:
Pred. No.: 19.6 Length: 1245
Score: 33.50 Matches: 10
Percent Similarity: 41.94% Conservative: 3
Best Local Similarity: 32.26% Mismatches: 6
Query Match: 5.34% Indels: 12
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-10-631-558-1 (1-1245)
QY 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValAspCysThr----- 183
Db 537 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGGAGTAACCTGTACAGTATATCCAC 478
QY 184 -----CysLeuGly 186
Db 477 ATCAACAGATTTCGCTTGGTTTGTATTGGT 447

RESULT 27
US-09-569-920-2/c
; Sequence 2, Application US/09569920
; GENERAL INFORMATION:
; APPLICANT: Reddy, Vemuri B.
; APPLICANT: Lerner, Ethan
; TITLE OF INVENTION: VASODILATOR-THROMBOLYTIC FUSION PROTEIN
; TITLE OF INVENTION: AND CONJUGATES
; FILE REFERENCE: 10284-026001
; CURRENT APPLICATION NUMBER: US/09/569,920
; CURRENT FILING DATE: 2000-05-11
; NUMBER OF SEQ ID NOS: 9
```

```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1254
; TYPE: DNA
; ORGANISM: Streptococcus pyogenes
US-09-569-920-2

Alignment Scores:
Pred. No.:          19.6      Length:      1254
Score:              33.50     Matches:      10
Percent Similarity: 41.94%    Conservative: 3
Best Local Similarity: 32.26% Mismatches:    6
Query Match:        5.34%     Indels:      12
DB:                 1         Gaps:         1

US-09-940-235-4 (1-259) x US-09-569-920-2 (1-1254)

Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValaspCysThr----- 183
Db 543 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGGAGTAAACTGTACAGTATATTTCCAC 484
Qy 184 -----CysLeuGly 186
Db 483 ATCAACAGATTTCGCTGCTGTTTGTATTGGT 453

RESULT 28
US-09-471-349-6/c
; Sequence 6, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahn, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009001
; CURRENT APPLICATION NUMBER: US/09-471-349
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.:          19.6      Length:      1327
Score:              33.50     Matches:      10
Percent Similarity: 41.94%    Conservative: 3
Best Local Similarity: 32.26% Mismatches:    6
Query Match:        5.34%     Indels:      12
DB:                 1         Gaps:         1

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)

Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValaspCysThr----- 183
Db 619 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGGAGTAAACTGTACAGTATATTTCCAC 560
Qy 184 -----CysLeuGly 186
Db 559 ATCAACAGATTTCGCTGCTGTTTGTATTGGT 529

RESULT 30
US-10-631-558-6/c
; Sequence 6, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahn, Girish
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
```

```
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-10-631-558-6

Alignment Scores:
Pred. No.: 19.6 Length: 1327
Score: 33.50 Matches: 10
Percent Similarity: 41.94% Conservative: 3
Best Local Similarity: 32.26% Mismatches: 6
Query Match: 5.34% Indels: 12
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-10-631-558-6 (1-1327)
QY 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValAspCysThr----- 183
Db 619 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGAGTAACACTGTACAGTATATCCAC 560
QY 184 -----CysLeuGly 186
Db 559 ATCAACAGATTCGCTTGGTTTGTATTGGT 529

RESULT 31
US-09-471-349-5/c
; Sequence 5, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-471-349-5

Alignment Scores:
Pred. No.: 19.6 Length: 1377
Score: 33.50 Matches: 10
Percent Similarity: 41.94% Conservative: 3
Best Local Similarity: 32.26% Mismatches: 6
Query Match: 5.34% Indels: 12
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-471-349-5 (1-1377)
QY 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValAspCysThr----- 183
Db 669 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAGGAGTAACACTGTACAGTATATCCAC 610
QY 184 -----CysLeuGly 186
Db 609 ATCAACAGATTCGCTTGGTTTGTATTGGT 579

RESULT 32
US-09-940-235-5/c
; Sequence 5, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
```

```

; ORGANISM: Streptococcus equisimilis
US-10-631-558-5

Alignment Scores:
Pred. No.: 19.6 Length: 1377
Score: 33.50 Matches: 10
Percent Similarity: 41.94% Conservative: 3
Best Local Similarity: 32.26% Mismatches: 6
Query Match: 5.34% Indels: 12
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-10-631-558-5 (1-1377)
Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValaspCysThr----- 183
Db 669 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAAGGAGTAACCTGACAGTATATCCAC 610

Qy 184 -----CysLeuGly 186
Db 609 ATCAACAGATTTCGCTTGGTTTGTATTGGT 579

RESULT 34
US-09-471-349-10/c
; Sequence 10, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-10

Alignment Scores:
Pred. No.: 19.7 Length: 1661
Score: 33.50 Matches: 10
Percent Similarity: 41.94% Conservative: 3
Best Local Similarity: 32.26% Mismatches: 6
Query Match: 5.34% Indels: 12
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-10 (1-1661)
Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValaspCysThr----- 183
Db 719 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAAGGAGTAACCTGACAGTATATCCAC 660

Qy 184 -----CysLeuGly 186
Db 659 ATCAACAGATTTCGCTTGGTTTGTATTGGT 629

RESULT 36
US-10-631-558-10/c
; Sequence 10, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661

```

```

; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-10

Alignment Scores:
Pred. No.: 19.7 Length: 1661
Score: 33.50 Matches: 10
Percent Similarity: 41.94% Conservative: 3
Best Local Similarity: 32.26% Mismatches: 6
Query Match: 5.34% Indels: 12
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-10-631-558-10 (1-1661)
Qy 168 GluThrTrpGlu-LysProTyrGlnGlyTrpMetMetValAspCysThr----- 183
Db 719 GAGACCTGGTCTGAAATCGTCATCAGGGTTTAAAGGGAGTAAACTGTACAGTATATTCCAC 660
Qy 184 -----CysLeuGly 186
Db 659 ATCAACAGATTTCGCTTGGTTTGTATTGGT 629

RESULT 37
US-09-471-349-1
; Sequence 1, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahnai, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-09-471-349-1

Alignment Scores:
Pred. No.: 19.9 Length: 1245
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-471-349-1 (1-1245)
Qy 203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 538 AAAGATACTAAGCTATTGAAACACTAGCTATCGGTGACACCATCATCTCAAGAA--- 594
Qy 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 595 -----TTACTAGCTCAAGCACAAGACATTTTAAACAAAACCAACCAGGCTATACG 645
Qy 238 LysCysGluArgHisThrSerValGlnThr 247
Db 646 ATTATGAACGTGACTCTCTCAATCGTCACT 675

RESULT 39
US-10-631-558-1
; Sequence 1, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahnai, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN

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, ORGANISM: Streptococcus equisimilis
, FEATURE:
, NAME/KEY: CDS
, LOCATION: (1)...(1242)
US-10-631-558-1
, TYPE: DNA
, LENGTH: 1245
, SEQ ID NO 1
, SEQ ID NO 1
, SOFTWARE: FASTSEQ for Windows Version 4.0
, NUMBER OF SEQ ID NOS: 28

```

```

: APPLICANT: Yadav, Mahavir
:
: TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
:
: TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
:
: TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
:
: FILE REFERENCE: 07064/009001
:
: CURRENT APPLICATION NUMBER: US/09/471,349
:
: CURRENT FILING DATE: 1999-12-23
:
: PRIOR APPLICATION NUMBER: IN 3825/DEL/98
:
: PRIOR FILING DATE: 1998-12-24

```

```

: SOFTWARE: FastSeq for Windows Version 4.0
:
: SEQ ID NO 6
:
: LENGTH: 1327
:
: TYPE: DNA
:
: ORGANISM: Artificial Sequence
:
: FEATURE:
:
: OTHER INFORMATION: Synthetically generated primer
:
: US-09-471-349-6

```

US-09-369-920-2
: sequence 2. Application US/09569920

DB:		I	Gaps:	J
US-09-940-235-4	(1-259) x US-09-471-349-6	(1-1327)		
Qy	203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTrpSerLysLysAspAen	220		
Dd	620 AAAGATACTAGGTATTGAACAACTAGCTATCGGTGCACCATCACCATCTCAAGAA---	676		
Qy	221 ArgGlyAsnLeuLeu-----GlnCysteCysThrGlyAsnGlyArgGlyGluTrp	237		
Dd	677 -----TTACTAGCTCAAAGCAACAAGCATTTTAACA AAAAACCCGCCAGGTATACG	727		
Qy	238 LysCysGluArgHisThrSerValGlnThr	247		
Dd	728 ATTATGAACGTGACTTCCTCAATCGTGACT	757		

RESULT 42
US-90-340-235-6
: Sequence 6, Application US/09940235
: GENERAL INFORMATION:
: APPLICANT: Kumar, Rajesh
: APPLICANT: Sahni, Girish
: APPLICANT: Roy, Chait
: APPLICANT: Rajagopal, Kammarra
: APPLICANT: Nihalani, Deepak
: APPLICANT: Sundaram, Vasudha
: APPLICANT: Yadav, Mahavir
: TITLE OF INVENTION: NOVEL CLOT-SPE

Qy 203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTrpSerLysLysAspAsn 220

TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE AFFLIGANS: 1a4av, 1a4av1, 1a4av2, 1a4av3, 1a4av4, 1a4av5, 1a4av6, 1a4av7, 1a4av8, 1a4av9, 1a4av10, 1a4av11, 1a4av12, 1a4av13, 1a4av14, 1a4av15, 1a4av16, 1a4av17, 1a4av18, 1a4av19, 1a4av20, 1a4av21, 1a4av22, 1a4av23, 1a4av24, 1a4av25, 1a4av26, 1a4av27, 1a4av28, 1a4av29, 1a4av30, 1a4av31, 1a4av32, 1a4av33, 1a4av34, 1a4av35, 1a4av36, 1a4av37, 1a4av38, 1a4av39, 1a4av40, 1a4av41, 1a4av42, 1a4av43, 1a4av44, 1a4av45, 1a4av46, 1a4av47, 1a4av48, 1a4av49, 1a4av50, 1a4av51, 1a4av52, 1a4av53, 1a4av54, 1a4av55, 1a4av56, 1a4av57, 1a4av58, 1a4av59, 1a4av60, 1a4av61, 1a4av62, 1a4av63, 1a4av64, 1a4av65, 1a4av66, 1a4av67, 1a4av68, 1a4av69, 1a4av70, 1a4av71, 1a4av72, 1a4av73, 1a4av74, 1a4av75, 1a4av76, 1a4av77, 1a4av78, 1a4av79, 1a4av80, 1a4av81, 1a4av82, 1a4av83, 1a4av84, 1a4av85, 1a4av86, 1a4av87, 1a4av88, 1a4av89, 1a4av90, 1a4av91, 1a4av92, 1a4av93, 1a4av94, 1a4av95, 1a4av96, 1a4av97, 1a4av98, 1a4av99, 1a4av100, 1a4av101, 1a4av102, 1a4av103, 1a4av104, 1a4av105, 1a4av106, 1a4av107, 1a4av108, 1a4av109, 1a4av110, 1a4av111, 1a4av112, 1a4av113, 1a4av114, 1a4av115, 1a4av116, 1a4av117, 1a4av118, 1a4av119, 1a4av120, 1a4av121, 1a4av122, 1a4av123, 1a4av124, 1a4av125, 1a4av126, 1a4av127, 1a4av128, 1a4av129, 1a4av130, 1a4av131, 1a4av132, 1a4av133, 1a4av134, 1a4av135, 1a4av136, 1a4av137, 1a4av138, 1a4av139, 1a4av140, 1a4av141, 1a4av142, 1a4av143, 1a4av144, 1a4av145, 1a4av146, 1a4av147, 1a4av148, 1a4av149, 1a4av150, 1a4av151, 1a4av152, 1a4av153, 1a4av154, 1a4av155, 1a4av156, 1a4av157, 1a4av158, 1a4av159, 1a4av160, 1a4av161, 1a4av162, 1a4av163, 1a4av164, 1a4av165, 1a4av166, 1a4av167, 1a4av168, 1a4av169, 1a4av170, 1a4av171, 1a4av172, 1a4av173, 1a4av174, 1a4av175, 1a4av176, 1a4av177, 1a4av178, 1a4av179, 1a4av180, 1a4av181, 1a4av182, 1a4av183, 1a4av184, 1a4av185, 1a4av186, 1a4av187, 1a4av188, 1a4av189, 1a4av190, 1a4av191, 1a4av192, 1a4av193, 1a4av194, 1a4av195, 1a4av196, 1a4av197, 1a4av198, 1a4av199, 1a4av200, 1a4av201, 1a4av202, 1a4av203, 1a4av204, 1a4av205, 1a4av206, 1a4av207, 1a4av208, 1a4av209, 1a4av210, 1a4av211, 1a4av212, 1a4av213, 1a4av214, 1a4av215, 1a4av216, 1a4av217, 1a4av218, 1a4av219, 1a4av220, 1a4av221, 1a4av222, 1a4av223, 1a4av224, 1a4av225, 1a4av226, 1a4av227, 1a4av228, 1a4av229, 1a4av230, 1a4av231, 1a4av232, 1a4av233, 1a4av234, 1a4av235, 1a4av236, 1a4av237, 1a4av238, 1a4av239, 1a4av240, 1a4av241, 1a4av242, 1a4av243, 1a4av244, 1a4av245, 1a4av246, 1a4av247, 1a4av248, 1a4av249, 1a4av250, 1a4av251, 1a4av252, 1a4av253, 1a4av254, 1a4av255, 1a4av256, 1a4av257, 1a4av258, 1a4av259, 1a4av260, 1a4av261, 1a4av262, 1a4av263, 1a4av264, 1a4av265, 1a4av266, 1a4av267, 1a4av268, 1a4av269, 1a4av270, 1a4av271, 1a4av272, 1a4av273, 1a4av274, 1a4av275, 1a4av276, 1a4av277, 1a4av278, 1a4av279, 1a4av280, 1a4av281, 1a4av282, 1a4av283, 1a4av284, 1a4av285, 1a4av286, 1a4av287, 1a4av288, 1a4av289, 1a4av290, 1a4av291, 1a4av292, 1a4av293, 1a4av294, 1a4av295, 1a4av296, 1a4av297, 1a4av298, 1a4av299, 1a4av300, 1a4av301, 1a4av302, 1a4av303, 1a4av304, 1a4av305, 1a4av306, 1a4av307, 1a4av308, 1a4av309, 1a4av310, 1a4av311, 1a4av312, 1a4av313, 1a4av314, 1a4av315, 1a4av316, 1a4av317, 1a4av318, 1a4av319, 1a4av320, 1a4av321, 1a4av322, 1a4av323, 1a4av324, 1a4av325, 1a4av326, 1a4av327, 1a4av328, 1a4av329, 1a4av330, 1a4av331, 1a4av332, 1a4av333, 1a4av334, 1a4av335, 1a4av336, 1a4av337, 1a4av338, 1a4av339, 1a4av340, 1a4av341, 1a4av342, 1a4av343, 1a4av344, 1a4av345, 1a4av346, 1a4av347, 1a4av348, 1a4av349, 1a4av350, 1a4av351, 1a4av352, 1a4av353, 1a4av354, 1a4av355, 1a4av356, 1a4av357, 1a4av358, 1a4av359, 1a4av360, 1a4av361, 1a4av362, 1a4av363, 1a4av364, 1a4av365, 1a4av366, 1a4av367, 1a4av368, 1a4av369, 1a4av370, 1a4av371, 1a4av372, 1a4av373, 1a4av374, 1a4av375, 1a4av376, 1a4av377, 1a4av378, 1a4av379, 1a4av380, 1a4av381, 1a4av382, 1a4av383, 1a4av384, 1a4av385, 1a4av386, 1a4av387, 1a4av388, 1a4av389, 1a4av390, 1a4av391, 1a4av392, 1a4av393, 1a4av394, 1a4av395, 1a4av396, 1a4av397, 1a4av398, 1a4av399, 1a4av400, 1a4av401, 1a4av402, 1a4av403, 1a4av404, 1a4av405, 1a4av406, 1a4av407, 1a4av408, 1a4av409, 1a4av410, 1a4av411, 1a4av412, 1a4av413, 1a4av414, 1a4av415, 1a4av416, 1a4av417, 1a4av418, 1a4av419, 1a4av420, 1a4av421, 1a4av422, 1a4av423, 1a4av424, 1a4av425, 1a4av426, 1a4av427, 1a4av428, 1a4av429, 1a4av430, 1a4av431, 1a4av432, 1a4av433, 1a4av434, 1a4av435, 1a4av436, 1a4av437, 1a4av438, 1a4av439, 1a4av440, 1a4av441, 1a4av442, 1a4av443, 1a4av444, 1a4av445, 1a4av446, 1a4av447, 1a4av448, 1a4av449, 1a4av450, 1a4av451, 1a4av452, 1a4av453, 1a4av454, 1a4av455, 1a4av456, 1a4av457, 1a4av458, 1a4av459, 1a4av460, 1a4av461, 1a4av462, 1a4av463, 1a


```
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.: 19.9 Length: 1327
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)
QY 203 GlnAspThrArg-----ThrSerTyArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 620 AAAGATACTAGCTATTGAAACACTAGCTATCGGTGACACCATCACATCTCAAGAA--- 676
QY 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 677 -----TTACTAGCTCAAGCAACAAGCAATTTTAAACAAAACCAACCAGCGCTATAGG 727

QY 238 LysCysGluArgHisThrSerValGlnThr 247
Db 728 ATTTATGAACGTGACTCTCTCAATCGTCACT 757

RESULT 43
US-10-631-558-6
; Sequence 6, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-10-631-558-6

Alignment Scores:
Pred. No.: 19.9 Length: 1327
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)
QY 203 GlnAspThrArg-----ThrSerTyArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 620 AAAGATACTAGCTATTGAAACACTAGCTATCGGTGACACCATCACATCTCAAGAA--- 676
QY 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 677 -----TTACTAGCTCAAGCAACAAGCAATTTTAAACAAAACCAACCAGCGCTATAGG 727

QY 238 LysCysGluArgHisThrSerValGlnThr 247
Db 728 ATTTATGAACGTGACTCTCTCAATCGTCACT 757

RESULT 44
US-09-471-349-5
; Sequence 5, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-471-349-5

Alignment Scores:
Pred. No.: 19.9 Length: 1377
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-471-349-5 (1-1377)
QY 203 GlnAspThrArg-----ThrSerTyArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 670 AAAGATACTAGCTATTGAAACACTAGCTATCGGTGACACCATCACATCTCAAGAA--- 726
QY 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 727 -----TTACTAGCTCAAGCAACAAGCAATTTTAAACAAAACCAACCAGCGCTATAGG 777

QY 238 LysCysGluArgHisThrSerValGlnThr 247
Db 778 ATTTATGAACGTGACTCTCTCAATCGTCACT 807

RESULT 45
US-09-940-235-5
; Sequence 5, Application US/09940235
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; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.: 19.9 Length: 1327
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)
QY 203 GlnAspThrArg-----ThrSerTyArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 620 AAAGATACTAGCTATTGAAACACTAGCTATCGGTGACACCATCACATCTCAAGAA--- 676
QY 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 677 -----TTACTAGCTCAAGCAACAAGCAATTTTAAACAAAACCAACCAGCGCTATAGG 727

QY 238 LysCysGluArgHisThrSerValGlnThr 247
Db 728 ATTTATGAACGTGACTCTCTCAATCGTCACT 757

RESULT 43
US-10-631-558-6
; Sequence 6, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-10-631-558-6

Alignment Scores:
Pred. No.: 19.9 Length: 1327
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)
QY 203 GlnAspThrArg-----ThrSerTyArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 620 AAAGATACTAGCTATTGAAACACTAGCTATCGGTGACACCATCACATCTCAAGAA--- 676
QY 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 677 -----TTACTAGCTCAAGCAACAAGCAATTTTAAACAAAACCAACCAGCGCTATAGG 727

QY 238 LysCysGluArgHisThrSerValGlnThr 247
Db 728 ATTTATGAACGTGACTCTCTCAATCGTCACT 757

RESULT 44
US-09-471-349-5
; Sequence 5, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-471-349-5

Alignment Scores:
Pred. No.: 19.9 Length: 1377
Score: 31.50 Matches: 16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match: 5.02% Indels: 9
DB: 1 Gaps: 3

US-09-940-235-4 (1-259) x US-09-471-349-5 (1-1377)
QY 203 GlnAspThrArg-----ThrSerTyArgIleGlyAspThrTrpSerLysLysAspAsn 220
Db 670 AAAGATACTAGCTATTGAAACACTAGCTATCGGTGACACCATCACATCTCAAGAA--- 726
QY 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 727 -----TTACTAGCTCAAGCAACAAGCAATTTTAAACAAAACCAACCAGCGCTATAGG 777

QY 238 LysCysGluArgHisThrSerValGlnThr 247
Db 778 ATTTATGAACGTGACTCTCTCAATCGTCACT 807

RESULT 45
US-09-940-235-5
; Sequence 5, Application US/09940235
```

```
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-5

Alignment Scores:
Pred. No.:      19.9      Length:      1377
Score:          31.50     Matches:      16
Percent Similarity: 48.00% Conservative: 8
Best Local Similarity: 32.00% Mismatches: 17
Query Match:     5.02%   Indels: 9
DB:              1      Gaps: 3

US-09-940-235-4 (1-259) x US-09-940-235-5 (1-1377)
Qy 203 GlnAspThrArg-----ThrSerTyrArgIleGlyAspThrTyrSerLysLysAspAsn 220
Db 670 AAAGATACCTAAGCTATTGAACACCTAGCTATCGGTGACACCATCACATCTCAAGAA--- 726
Qy 221 ArgGlyAsnLeuLeu-----GlnCysIleCysThrGlyAsnGlyArgGlyGluTrp 237
Db 727 -----TTACTAGCTCAAGCAACAAGCAATTTTAAACAAAAACCACCCAGGCTATACG 777
Qy 238 LysCysGluArgHisThrSerValGlnThr 247
Db 778 ATTTATGAACGTGACTCTCTCAATCGTCACT 807

Search completed: May 11, 2005, 08:41:09
Job time : 7 secs
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RESULT 1
US-10-360-101-264
; Sequence 264, Application US/10360101
; GENERAL INFORMATION:
; APPLICANT: Moll, Gert N.
; APPLICANT: Leenhouts, Cornelis J.
; TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
; FILE REFERENCE: 2183-5673
; CURRENT APPLICATION NUMBER: US/10/360,101
; CURRENT FILING DATE: 2003-02-07
; PRIOR APPLICATION NUMBER: EP 02077060.8
; PRIOR FILING DATE: 2002-05-24
; NUMBER OF SEQ ID NOS: 309
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 264
; LENGTH: 413
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

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;
; TELEFAX: (202) 371-2545
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: amino acid
; STRANDEDNESS: both
; TOPOLOGY: both
PCT-US93-09502-1

Query Match 5.0%; Score 31.5; DB 1; Length 414;
Best Local Similarity 32.0%; Pred. No. 0;
Matches 16; Conservative 8; Mismatches 17; Indels 9; Gaps 3;

QY 203 QDTR--TSYRIGDTWKKDNKGNLL---QCICITGNRGKWKCRHTSVQT 247
;
; :||: :||: :||: :||: :||: :||: :||: :||: :||: :||:
Db 180 KDTKLKTLAIGDTITSQE----LLAQASILNKNHPGYTIYERDSSIVT 225

RESULT 4
US-07-956-692A-9
; Sequence 9, Application US/07956692A
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
; APPLICANT: Kussie, Paul
; APPLICANT: Parhami-Seren, Behnaz
; TITLE OF INVENTION: Recombinant Streptokinase Fragments with
; TITLE OF INVENTION: Decreased Antigenicity and Uses Thereof
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein and Fox
; STREET: 1225 Connecticut Avenue
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/956,692A
; FILING DATE: 19921005
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldstein, Jorge A.
; REGISTRATION NUMBER: 29,021
; REFERENCE/DOCKET NUMBER: 0609.3570000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 833-7533
; TELEFAX: (202) 833-8716
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: both
; TOPOLOGY: both
US-07-956-692A-9

Query Match 5.0%; Score 31.5; DB 1; Length 414;
Best Local Similarity 32.0%; Pred. No. 0;
Matches 16; Conservative 8; Mismatches 17; Indels 9; Gaps 3;

QY 203 QDTR--TSYRIGDTWKKDNKGNLL---QCICITGNRGKWKCRHTSVQT 247
;
; :||: :||: :||: :||: :||: :||: :||: :||: :||: :||:
Db 180 KDTKLKTLAIGDTITSQE----LLAQASILNKNHPGYTIYERDSSIVT 225

RESULT 5
US-08-128-299-1
; Sequence 1, Application US/08128299
; GENERAL INFORMATION:
; APPLICANT: Reed, Guy L.
```

```
;
; TITLE OF INVENTION: Peptides Specifically Binding to Plasminogen And the
; TITLE OF INVENTION: DNA Encoding Such Peptides
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sterne, Kessler, Goldstein and Fox
; STREET: 1100 New York Avenue, Suite 600
; CITY: Washington
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/128,299
; FILING DATE: Herewith
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sanzo, Michael A.
; REGISTRATION NUMBER: 36,912
; REFERENCE/DOCKET NUMBER: 0609.3570001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 371-2600
; TELEFAX: (202) 371-2545
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 414 amino acids
; TYPE: amino acid
; STRANDEDNESS: both
; TOPOLOGY: both
US-08-128-299-1

Query Match 5.0%; Score 31.5; DB 1; Length 414;
Best Local Similarity 32.0%; Pred. No. 0;
Matches 16; Conservative 8; Mismatches 17; Indels 9; Gaps 3;

QY 203 QDTR--TSYRIGDTWKKDNKGNLL---QCICITGNRGKWKCRHTSVQT 247
;
; :||: :||: :||: :||: :||: :||: :||: :||: :||: :||:
Db 180 KDTKLKTLAIGDTITSQE----LLAQASILNKNHPGYTIYERDSSIVT 225

RESULT 6
US-09-471-349-2
; Sequence 2, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahn, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 414
; TYPE: PRT
; ORGANISM: Streptococcus equisimilis
US-09-471-349-2

Query Match 5.0%; Score 31.5; DB 1; Length 414;
Best Local Similarity 32.0%; Pred. No. 0;
Matches 16; Conservative 8; Mismatches 17; Indels 9; Gaps 3;
```


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OM protein - nucleic search, using frame_plus_p2n model

Run on: May 11, 2005, 08:38:06 ; Search time 3 Seconds
(without alignments)
3.055 Million cell updates/sec

Title: US-09-940-235-4
Perfect score: 600
Sequence: 1 QAOQVQSPVAVSQSRPG.....SMWDCICGAGRISCTI 106

Scoring table:
BLOSUM62
Xgapop 10.0 , Xgapext 0.5
Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 23 seqs, 43234 residues

Total number of hits satisfying chosen parameters: 46

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:
-MODEL=frame_p2n_model -DEV=soft -O=Pending Patents AA Main:US-09-940-235-4
-DB=rm2.p2n -SUFFIX=ptc -OUT=align4_1_106_rnrm -MINMATCH=0.1 -LOOPCL=0
-LOOPEXT=0 -UNITS=bits -START=1 -END=106 -MATRIX=blom62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=ptc -THR MAX=100 -THR MIN=0 -ALIGN=45
-MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEADSIZE=500 -MINLEN=0 -MAXLEN=2000000000
-NCPU=6 -NO_XLPXY -NEG SCORES=0 -LONGLOG -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5
-FCAPOP=6 -FCAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database : rm2.p2n:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	600	100.0	1661	1	US-09-471-349-10 Sequence 10, Appl
2	600	100.0	1661	1	US-09-940-235-10 Sequence 10, Appl
3	600	100.0	1661	1	US-10-631-558-10 Sequence 10, Appl
4	160	26.7	1541	1	US-09-471-349-9 Sequence 9, Appl
5	160	26.7	1541	1	US-09-940-235-9 Sequence 9, Appl
6	160	26.7	1541	1	US-10-631-558-9 Sequence 9, Appl
7	160	26.7	2096	1	US-09-471-349-12 Sequence 12, Appl
8	160	26.7	2096	1	US-09-940-235-12 Sequence 12, Appl
9	160	26.7	2096	1	US-10-631-558-12 Sequence 12, Appl
10	109.5	18.2	1782	1	US-09-471-349-11 Sequence 11, Appl
11	109.5	18.2	1782	1	US-09-940-235-11 Sequence 11, Appl
12	109.5	18.2	1782	1	US-10-631-558-11 Sequence 11, Appl
13	40	6.7	8893	1	US-09-569-920-3 Sequence 3, Appl
14	37.5	6.2	1782	1	US-09-471-349-11 Sequence 11, Appl
15	37.5	6.2	1782	1	US-09-940-235-11 Sequence 11, Appl
16	37.5	6.2	1782	1	US-10-631-558-11 Sequence 11, Appl
17	37.5	6.2	2096	1	US-09-471-349-12 Sequence 12, Appl
18	37.5	6.2	2096	1	US-09-940-235-12 Sequence 12, Appl
19	37.5	6.2	2096	1	US-10-631-558-12 Sequence 12, Appl
20	36	6.0	8893	1	US-09-569-920-3 Sequence 3, Appl
21	34	5.7	1541	1	US-09-471-349-9 Sequence 9, Appl

ALIGNMENTS

RESULT 1

US-09-471-349-10
; Sequence 10, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-10

Alignment Scores:
Pred. No.: 8.46e-07 Length: 1661
Score: 600.00 Matches: 106
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: Gaps: 0

US-09-940-235-4 (1-259) x US-09-471-349-10 (1-1661)

Qy	1	GlnAaGlnGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly	20
Db	1341	CAGGCGCAGCAATGTTTCAGCCCGTCCCGTGCCTCAGTCAACAGCCCGGT	1400
Qy	21	CysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGlnArgThrTyrLeuGly	40

```

Db      1401 TCGTTATGCAATGGAAAAACACTATCAGATAAATCAACAGTGGGAGCGGACCTACCTAGGT 1460
Qy      41  AsnValLeuValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysPro 60
      |||
Db      1461 AATGTTGTTGTTGTTGTTGTTATGAGGAGAACCGAGGTTTAACTGCGAAAGTAAACCT 1520
      |||
Qy      61  GluAlaGluGluThrCysPheAspLysTyrThrGlyAsnThrTyrArgValGlyAspThr 80
      |||
Db      1521 GAAGCTGAAGAGACTTGTCTTTCACAAAGTACACTTGGGAACACTTACCAGTGGGTGACACT 1580
      |||
Qy      81  TyrGluArgProLysAspSerMetIleTyrAspCysThrCysIleGlyAlaGlyArgGly 100
      |||
Db      1581 TATGAGCGCTCCAAAGACTCCATGATCTGGGACTGTGTACCTGCATCGGGGCTGGCGGAGGG 1640
      |||
Qy      101 ArgIleSerCysThrIle 106
      |||
Db      1641 AGAATAAGCTGTACCATC 1658
      |||
RESULT 2
US-09-940-235-10
; Sequence 10, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-10
Alignment Scores:
Pred. No.: 8.46e-07 Length: 1661
Score: 600.00 Matches: 106
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0
US-09-940-235-4 (1-259) x US-09-940-235-10 (1-1661)
Qy      1  GlnAlaGlnGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
      |||
Db      1341 CAGGCGCAGCAATGTTTTCAGCCCCAGTCCCGGTGGCTGTCTAGTCAAGAACGAGCCCGGT 1400
      |||
Qy      21  CysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyrLeuGly 40
      |||
Db      1401 TGTATGACAATGGAAAAACACTATCAGATAAATCAACAGTGGGAGCGGACCTACCTAGGT 1460
      |||
Qy      41  AsnValLeuValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysPro 60
      |||
Db      1461 AATGTTGTTGTTGTTGTTTATGAGGAGAACCGAGGTTTAACTGCGAAAGTAAACCT 1520
      |||
Qy      61  GluAlaGluGluThrCysPheAspLysTyrThrGlyAsnThrTyrArgValGlyAspThr 80
      |||
Db      1521 GAAGCTGAAGAGACTTGTCTTTCACAAAGTACACTTGGGAACACTTACCAGTGGGTGACACT 1580
      |||
Qy      81  TyrGluArgProLysAspSerMetIleTyrAspCysThrCysIleGlyAlaGlyArgGly 100
      |||

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Db      1521 GAAGCTGAAGAGACTTGTCTTTCACAAAGTACACTTGGGAACACTTACCAGTGGGTGACACT 1580
      |||
Qy      81  TyrGluArgProLysAspSerMetIleTyrAspCysThrCysIleGlyAlaGlyArgGly 100
      |||
Db      1581 TATGAGCGCTCCAAAGACTCCATGATCTGGGACTGTGTACCTGCATCGGGGCTGGCGGAGGG 1640
      |||
Qy      101 ArgIleSerCysThrIle 106
      |||
Db      1641 AGAATAAGCTGTACCATC 1658
      |||
RESULT 3
US-10-631-558-10
; Sequence 10, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-10
Alignment Scores:
Pred. No.: 8.46e-07 Length: 1661
Score: 600.00 Matches: 106
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 1 Gaps: 0
US-09-940-235-4 (1-259) x US-10-631-558-10 (1-1661)
Qy      1  GlnAlaGlnGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
      |||
Db      1341 CAGGCGCAGCAATGTTTTCAGCCCCAGTCCCGGTGGCTGTCTAGTCAAGAACGAGCCCGGT 1400
      |||
Qy      21  CysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyrLeuGly 40
      |||
Db      1401 TGTATGACAATGGAAAAACACTATCAGATAAATCAACAGTGGGAGCGGACCTACCTAGGT 1460
      |||
Qy      41  AsnValLeuValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysPro 60
      |||
Db      1461 AATGTTGTTGTTGTTGTTTATGAGGAGAACCGAGGTTTAACTGCGAAAGTAAACCT 1520
      |||
Qy      61  GluAlaGluGluThrCysPheAspLysTyrThrGlyAsnThrTyrArgValGlyAspThr 80
      |||
Db      1521 GAAGCTGAAGAGACTTGTCTTTCACAAAGTACACTTGGGAACACTTACCAGTGGGTGACACT 1580
      |||
Qy      81  TyrGluArgProLysAspSerMetIleTyrAspCysThrCysIleGlyAlaGlyArgGly 100
      |||

```

US-09-940-235-9 ; Sequence 9, Application US/09940235
: GENERAL INFORMATION:

```

US-10-631-558-9
; Sequence 9, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kamnara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir

```



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; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; TYPE: DNA
; LENGTH: 1541
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-9

Alignment Scores:
Pred. No.: 0.496 Length: 1541
Score: 160.00 Matches: 41
Percent Similarity: 52.73% Conservative: 17
Best Local Similarity: 37.27% Mismatches: 32
Query Match: 26.67% Indels: 20
DB: 1 Gaps: 8

US-09-940-235-4 (1-259) x US-10-631-558-9 (1-1541)

QY 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
DB 1191 CAGGCGCAACAGATTGTA-----CCATAGCTGAGAAG----- 1223
QY 21 CysTyrAspAsn-----GlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyr 38
DB 1224 TGTTTTGATCATGCTGCTGGGACTTCCTATGTGTCGGAGAAACGTCGGAGAACCCCTAC 1283
QY 39 LeuGlyAsnValLeuVal---CysThrCysTyrGly---GlySerArgGlyPheAsnCys 56
DB 1284 CAAGGCTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1343
QY 57 GluSerLysProGluAlaGluThrCysPheAspLysTyrThrGlyAsnThrTyrArg 76
DB 1344 ACTTCTAGA-----AATAGATGCAACGATCAGGACACAGGACATCCTATAGA 1391
QY 77 ValGlyAspThrTyrGluArgProLysAspSerMet-----IleTrpAspCysThrCys 94
DB 1392 ATTGGAGACACTGGAGCAAG---AAGGATATCGAGGAAACCTGCTCCAGTGCATCTGC 1448
QY 95 IleGlyAlaGlyArgGlyArgIleSerCys 104
DB 1449 ACAGGCAACGCGGAGGAGAGTGAAGTGT 1478

RESULT 7
US-09-471-349-12
; Sequence 12, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaithi
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349

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```

; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 2096
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-12

Alignment Scores:
Pred. No.: 0.513 Length: 2096
Score: 160.00 Matches: 41
Percent Similarity: 52.73% Conservative: 17
Best Local Similarity: 37.27% Mismatches: 32
Query Match: 26.67% Indels: 20
DB: 1 Gaps: 8

US-09-940-235-4 (1-259) x US-09-471-349-12 (1-2096)

QY 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
DB 1746 CAGGCGCAACAGATTGTA-----CCATAGCTGAGAAG----- 1778
QY 21 CysTyrAspAsn-----GlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyr 38
DB 1779 TGTTTTGATCATGCTGCTGGGACTTCCTATGTGTCGGAGAAACGTCGGAGAACCCCTAC 1838
QY 39 LeuGlyAsnValLeuVal---CysThrCysTyrGly---GlySerArgGlyPheAsnCys 56
DB 1839 CAAGGCTGGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1898
QY 57 GluSerLysProGluAlaGluThrCysPheAspLysTyrThrGlyAsnThrTyrArg 76
DB 1899 ACTTCTAGA-----AATAGATGCAACGATCAGGACACAGGACATCCTATAGA 1946
QY 77 ValGlyAspThrTyrGluArgProLysAspSerMet-----IleTrpAspCysThrCys 94
DB 1947 ATTGGAGACACTGGAGCAAG---AAGGATATCGAGGAAACCTGCTCCAGTGCATCTGC 2003
QY 95 IleGlyAlaGlyArgGlyArgIleSerCys 104
DB 2004 ACAGGCAACGCGGAGGAGAGTGAAGTGT 2033

RESULT 8
US-09-940-235-12
; Sequence 12, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chaithi
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 2096

```

; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Hybrid cassette
 US-09-940-235-12

Alignment Scores:
 Pred. No.: 0.513 Length: 2096
 Score: 160.00 Matches: 41
 Percent Similarity: 52.73% Conservative: 17
 Best Local Similarity: 37.27% Mismatches: 32
 Query Match: 26.67% Indels: 20
 DB: 1 Gaps: 8

US-09-940-235-4 (1-259) x US-09-940-235-12 (1-2096)

QY 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
 DB 1746 CAGGCGCAACAGATTGTA-----CCATAGCTGAGAAG----- 1778
 QY 21 CysTyrAspAsn-----GlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyr 38
 DB 1779 TGTTTGTATCATGCTGCTGGACTTCCTATGTGTCGGAGAAACGTCGGAGAACCCCTAC 1838
 QY 39 LeuGlyAsnValLeuVal---CysThrCysTyrGly---GlySerArgGlyPheAsnCys 56
 DB 1839 CAAGGCTGGATGATGTAGATTGTTACTTGCCTGGAGAAAGCAGCGGACGCATCACTTGC 1898
 QY 57 GluSerLysProGluAlaGluThrCysPheAspLysTyrThrGlyAsnThrTyrArg 76
 DB 1899 ACTTCTAGA-----AATAGATGCAACGATCAGGACACAAAGACATCCCTATAGA 1946
 QY 77 ValGlyAspThrTyrGluArgProLysAspSerMet-----IleTyrAspCysThrCys 94
 DB 1947 ATTGGAGACCTGGAGCAAG---AAGGATATCGAGGAACCTGCTCAGTGCATCTGC 2003
 QY 95 IleGlyAlaGlyArgGlyArgIleSerCys 104
 DB 2004 ACAGGCAACGCCGAGAGAGTGGAAAGTGT 2033

RESULT 9

US-10-631-558-12
 ; Sequence 12, Application US/10631558
 ; GENERAL INFORMATION:
 ; APPLICANT: Kumar, Rajesh
 ; APPLICANT: Sahni, Girish
 ; APPLICANT: Roy, Chait
 ; APPLICANT: Rajagopal, Kamara
 ; APPLICANT: Nihalani, Deepak
 ; APPLICANT: Sundaram, Vasudha
 ; APPLICANT: Yadav, Mahavir
 ; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
 ; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
 ; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
 ; TITLE OF INVENTION: PROTEIN
 ; FILE REFERENCE: 07064-009002
 ; CURRENT APPLICATION NUMBER: US/10/631,558
 ; CURRENT FILING DATE: 2003-07-31
 ; PRIOR APPLICATION NUMBER: US/09/940,235
 ; PRIOR FILING DATE: 2002-04-09
 ; PRIOR APPLICATION NUMBER: 09/471,349
 ; PRIOR FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
 ; PRIOR FILING DATE: 1998-12-24
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 12
 ; LENGTH: 2096
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Hybrid cassette,
 US-10-631-558-12

Alignment Scores:

Pred. No.: 0.513 Length: 2096
 Score: 160.00 Matches: 41
 Percent Similarity: 52.73% Conservative: 17
 Best Local Similarity: 37.27% Mismatches: 32
 Query Match: 26.67% Indels: 20
 DB: 1 Gaps: 8

US-09-940-235-4 (1-259) x US-10-631-558-12 (1-2096)

QY 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
 DB 1746 CAGGCGCAACAGATTGTA-----CCATAGCTGAGAAG----- 1778
 QY 21 CysTyrAspAsn-----GlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyr 38
 DB 1779 TGTTTGTATCATGCTGCTGGACTTCCTATGTGTCGGAGAAACGTCGGAGAACCCCTAC 1838
 QY 39 LeuGlyAsnValLeuVal---CysThrCysTyrGly---GlySerArgGlyPheAsnCys 56
 DB 1839 CAAGGCTGGATGATGTAGATTGTTACTTGCCTGGAGAAAGCAGCGGACGCATCACTTGC 1898
 QY 57 GluSerLysProGluAlaGluThrCysPheAspLysTyrThrGlyAsnThrTyrArg 76
 DB 1899 ACTTCTAGA-----AATAGATGCAACGATCAGGACACAAAGACATCCCTATAGA 1946
 QY 77 ValGlyAspThrTyrGluArgProLysAspSerMet-----IleTyrAspCysThrCys 94
 DB 1947 ATTGGAGACCTGGAGCAAG---AAGGATATCGAGGAACCTGCTCAGTGCATCTGC 2003
 QY 95 IleGlyAlaGlyArgGlyArgIleSerCys 104
 DB 2004 ACAGGCAACGCCGAGAGAGTGGAAAGTGT 2033

RESULT 10

US-09-471-349-11
 ; Sequence 11, Application US/09471349
 ; GENERAL INFORMATION:
 ; APPLICANT: Sahni, Girish
 ; APPLICANT: Kumar, Rajesh
 ; APPLICANT: Roy, Chait
 ; APPLICANT: Rajagopal, Kamara
 ; APPLICANT: Nihalani, Deepak
 ; APPLICANT: Sundaram, Vasudha
 ; APPLICANT: Yadav, Mahavir
 ; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
 ; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
 ; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
 ; FILE REFERENCE: 07064/009001
 ; CURRENT APPLICATION NUMBER: US/09/471,349
 ; CURRENT FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
 ; PRIOR FILING DATE: 1998-12-24
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 11
 ; LENGTH: 1782
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Synthetically generated primer
 US-09-471-349-11

Alignment Scores:

Pred. No.: 2.27 Length: 1782
 Score: 109.50 Matches: 30
 Percent Similarity: 46.15% Conservative: 18
 Best Local Similarity: 28.85% Mismatches: 31
 Query Match: 18.25% Indels: 26
 DB: 1 Gaps: 6

US-09-940-235-4 (1-259) x US-09-471-349-11 (1-1782)

QY 63 GluGluThrCysPheAspLysTyrThrGlyAsnThrTyrArgValGlyAspThrTyrGlu 82
 Db 349 AGAATAGATGCAACATCAGACACAAGGACATCTATAGAAATGGACACACCTGGAGC 408
 QY 83 ArgProLysAspSerMet-----lleTpaPcysThrCysleileGlyAlaGlyArgGly 100
 Db 409 AAG-----AAGGATAATCGAGGAACCTGCTCCAGTGCATGTCACAGGCAACGGCCGAGGA 465
 QY 101 ArgIleSerCys 104
 Db 466 GAGTGAAGTGT 477

RESULT 13

US-09-569-920-3
 ; Sequence 3, Application US/09569920
 ; GENERAL INFORMATION:
 ; APPLICANT: Reddy, Vemuri B.
 ; APPLICANT: Lerner, Ethan
 ; TITLE OF INVENTION: VASODILATOR-THROMBOLYTIC FUSION PROTEIN
 ; TITLE OF INVENTION: AND CONJUGATES
 ; FILE REFERENCE: 10284-026001
 ; CURRENT APPLICATION NUMBER: US/09/569,920
 ; CURRENT FILING DATE: 2000-05-11
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 3
 ; LENGTH: 8893
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: synthetic construct
 US-09-569-920-3

Alignment Scores:
 Pred. No.: 17.7 Length: 8893
 Score: 40.00 Matches: 6
 Percent Similarity: 66.67% Conservative: 2
 Best Local Similarity: 50.00% Mismatches: 4
 Query Match: 6.67% Indels: 0
 DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-09-569-920-3 (1-8893)

QY 59 LysProGluAlaGluThrCysPheAspLysTyr 70
 Db 1062 AAGCCCAAAACAGGAAGATGTATAAGCAAATAT 1097

RESULT 14

US-09-471-349-11/c
 ; Sequence 11, Application US/09471349
 ; GENERAL INFORMATION:
 ; APPLICANT: Sahni, Girish
 ; APPLICANT: Kumar, Rajesh
 ; APPLICANT: Roy, Chaiti
 ; APPLICANT: Rajagopal, Kammara
 ; APPLICANT: Nihalani, Deepak
 ; APPLICANT: Sundaram, Vasudha
 ; APPLICANT: Yadav, Mahavir
 ; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
 ; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
 ; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
 ; FILE REFERENCE: 07064/009001
 ; CURRENT APPLICATION NUMBER: US/09/471,349
 ; CURRENT FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
 ; PRIOR FILING DATE: 1998-12-24
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 11
 ; LENGTH: 1782
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence

FEATURE:
 ; OTHER INFORMATION: Synthetically generated primer
 US-09-471-349-11

Alignment Scores:
 Pred. No.: 16.3 Length: 1782
 Score: 37.50 Matches: 20
 Percent Similarity: 36.76% Conservative: 5
 Best Local Similarity: 29.41% Mismatches: 24
 Query Match: 6.25% Indels: 19
 DB: 1 Gaps: 5

US-09-940-235-4 (1-259) x US-09-471-349-11 (1-1782)

QY 1 GlnAlaGlnMetValGlnPro-----GlnSerProValAlaVal 14
 Db 613 CAGTACCAGCAACGCTAACCAACCAATGGCTGTTGTGACAGATGGACGGCTTAGCAGCC 554
 QY 15 SerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnTrp 34
 Db 553 ACTCAGGTCAGCAA-----TAGCAACATCGGTGAAGGGCCAGATCCGCTCGATGTGG 500
 QY 35 Glu-----ArgThrTyrLeuGlyAsnValLeuValCysThr 46
 Db 499 TCTGCACAGAGGTGCGCTCTCACACTTCACCTCTCTCGGCGGTGCGCTG---TGCAGA 443
 QY 47 CysTyrGlyGlySerArgGlyPhe 54
 Db 442 TGCACCTGGAGCA-----GGTTTC 425

RESULT 15

US-09-940-235-11/c
 ; Sequence 11, Application US/09940235
 ; GENERAL INFORMATION:
 ; APPLICANT: Kumar, Rajesh
 ; APPLICANT: Sahni, Girish
 ; APPLICANT: Roy, Chaiti
 ; APPLICANT: Rajagopal, Kammara
 ; APPLICANT: Nihalani, Deepak
 ; APPLICANT: Sundaram, Vasudha
 ; APPLICANT: Yadav, Mahavir
 ; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
 ; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
 ; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
 ; TITLE OF INVENTION: PROTEIN
 ; FILE REFERENCE: 07064-009002
 ; CURRENT APPLICATION NUMBER: US/09/940,235
 ; CURRENT FILING DATE: 2002-04-09
 ; PRIOR APPLICATION NUMBER: 09/471,349
 ; PRIOR FILING DATE: 1999-12-23
 ; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
 ; PRIOR FILING DATE: 1998-12-24
 ; NUMBER OF SEQ ID NOS: 28
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 11
 ; LENGTH: 1782
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Hybrid cassette
 US-09-940-235-11

Alignment Scores:
 Pred. No.: 16.3 Length: 1782
 Score: 37.50 Matches: 20
 Percent Similarity: 36.76% Conservative: 5
 Best Local Similarity: 29.41% Mismatches: 24
 Query Match: 6.25% Indels: 19
 DB: 1 Gaps: 5

US-09-940-235-4 (1-259) x US-09-940-235-11 (1-1782)

QY 1 GlnAlaGlnMetValGlnPro-----GlnSerProValAlaVal 14

Db	613	CAGTACCAGCAACGGCTAACCAACCAATTCGGCTGTTGTGACAGATGGACGGCTCTAGCAGCC	554
			:::
Qy	15	SerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnIlnTrp	34
		:::	
Db	553	ACTCAGGTCCAGCAA-----TACGAACATCGGTGAAGGGGCCAGATCCGGCTCGATGG	500
Qy	35	Glu-----ArgThrTyrLeuGlyAsnValLeuValCysThr	46
Db	499	TCTGCACAGAGGTGTCCTCTCACACTTCCACTCTCTCGGCGGTGCCTG---TGCAGA	443
Qy	47	CysTyrGlyGlySerArgGlyPhe	54
Db	442	TGCACCTGGAGCA-----GGTTTC	425

RESULT 16
US-10-631-558-11/c
Sequence 11, Application US/10631558
GENERAL INFORMATION:
APPLICANT: Kumar, Rajesh
APPLICANT: Sahni, Girish
APPLICANT: Roy, Chaic
APPLICANT: Rajagopal, Kammara
APPLICANT: Nihalani, Deepak
APPLICANT: Sundaram, Vasudha
APPLICANT: Yadav, Mahavir
TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
TITLE OF INVENTION: PROTEIN
FILE REFERENCE: 07064-009002
CURRENT APPLICATION NUMBER: US/10/631,558
CURRENT FILING DATE: 2003-07-31
PRIOR APPLICATION NUMBER: US/09/940,235
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 09/471,349
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: IN 3825/DEL/98
PRIOR FILING DATE: 1998-12-24
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11
LENGTH: 1782
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Hybrid cassette
US-10-631-558-11

Alignment Scores:		
Pred. NO.:	16.3	Length: 1782
Score:	37.50	Matches: 20
Percent Similarity:	36.76%	Conservative: 5
Best Local Similarity:	29.41%	Mismatches: 24
Query Match:	6.25%	Indels: 19
DR:	1	Gaps: 5

US-09-940-235-4 (1-259) x US-10-631-558-11 (1-1782)

Qy		1	GlnAlaGlnMetValGlnPro-----GlnSerProValAlaVal	14
Db.		613	CAGTACCAGCAACGCTAACACCAATTGGCTGTTCAGACATGGACGGTCTAGCAGCC	554
Qy		15	SerGlnSerIysProGlyCytyrAspAenGlyLysHisTyTGlnIleasnGlnInTrp	34
			: : : : : : :	
Db		553	ACTCAGGTCACGCAA-----TACGAACATCGGTGAAGGGGCCAGATCGCTCGATGTGG	500
Qy		35	Glu-----ArgThrTyrLeuGlyAsnValIeuValCysThr	46
Db		499	TCTGCACAGAGGTGTGCCTCTCACACTTCCTCGGCGGTGCCTG---TGCAGA	443
Qy		47	CysTyrGlyGlySerArgGlyphe	54

Db
442 TGCACCTGGAGCA-----GGTTTC 425

RESULT 17

US-09-471-349-12/c

; Sequence 12, Application US/09471349

; GENERAL INFORMATION:

; APPLICANT: Sahni, Girish

; APPLICANT: Kumar, Rajesh

; APPLICANT: Roy, Chaiti

; APPLICANT: Rajagopal, Kammar

; APPLICANT: Nihalani, Deepak

; APPLICANT: Sundaram, Vasudha

; APPLICANT: Yadav, Mahavir

; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED

; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE

; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS

; FILE REFERENCE: 07064/009001

; CURRENT APPLICATION NUMBER: US/09/471,349

; CURRENT FILING DATE: 1999-12-23

; PRIOR APPLICATION NUMBER: IN 3825/DEL/98

; PRIOR FILING DATE: 1998-12-24

; NUMBER OF SEQ ID NOS: 24

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 12

; LENGTH: 2096

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetically generated primer

US-09-471-349-12

Alignment Scores:

Pred No.:	16.6	Length:	2096
Score:	37.50	Matches:	20
Percent Similarity:	36.76%	Conservative:	5
Best Local Similarity:	29.41%	Mismatches:	24
Query Match:	6.25%	Indels:	19
DB:	1	Gaps:	5

US-09-940-235-4 (1-259) x US-09-471-349-12 (1-2096)

Qy	1	GlnAlaGlnGlnMetValGlnPro-----GlnSerProValalaVal 14
Db	663	CAGTACCAGCAACCGTTAACACCAATGGCTGTGTTGCACAGATGGACCGGTCTAGCAGCC 604
Qy	15	SerGlnSerLysProGlyCysteTyAspAsnGlyIysHisTyTGlnILeAsnGlnGlnTrp 34 ::: :::
Db	603	ACTCAGGTCCAGCAA-----TACGAACATCGGTGAAGGGGCCAGATCGGTTCGATGTGG 550 ::: :::
Qy	35	Glu-----ArgThrTyrlleuGlyAsnValleuValCysThr 46
Db	549	TCTGCACAGAGTGTGCTCTCACATTCCTCACTCTCTCGGCCGCTTGCCTG---TGCAGA 493
Qy	47	CysTyrglyGlySerArgrglyphe 54
Db	492	TGCACCTGGAGCA-----GGTTTC 475

RESULT 18
IIS-09-940-235-12/c

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; Sequence 12, Application US/09940235
;
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002

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; OTHER INFORMATION: Hybrid cassette
US-10-631-558-12

Alignment Scores:
Pred. No.: 16 6 Length: 2096
Score: 37.50 Matches: 20
Percent Similarity: 36.76% Conservative: 5
Best Local Similarity: 29.41% Mismatches: 24
Query Match: 6.25% Indels: 19
DB: 1 Gaps: 5

US-09-940-235-4 (1-259) x US-10-631-558-12 (1-2096)
Qy 1 GlnAlaGlnGlnMetValGlnPro-----GlnSerProValAlaVal 14
Db 663 CAGTACCAGCAACGCTAACACCAACAAATGGCTGTGTTGTTCAGACATGGACGGTCTAGCAGCC 604
Qy 15 SerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrp 34
Db 603 ACTCAGGTCACGCAA-----TAGCAACATCGGTGAAGGGGCCAGATCCGCTCGATGTGG 550
Qy 35 Glu-----ArgThrTyrLeuGlyAsnValLeuValCysThr 46
Db 549 TCTGCACAGAGGTGTGCTCTCACATTCCTCTCGCGCGTTCCTCGT---TGCAGA 493
Qy 47 CysTyrGlyGlySerArgGlyPhe 54
Db 492 TGCACATGGAGCA-----GGTTTC 475

RESULT 20
US-09-569-920-3/c
; Sequence 3, Application US/09569920
; GENERAL INFORMATION:
; APPLICANT: Reddy, Vemuri B.
; APPLICANT: Lerner, Ethan
; TITLE OF INVENTION: VASODILATOR-THROMBOLYTIC FUSION PROTEIN
; TITLE OF INVENTION: AND CONJUGATES
; FILE REFERENCE: 10284-026001
; CURRENT APPLICATION NUMBER: US/09/569,920
; CURRENT FILING DATE: 2000-05-11
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 8893
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: synthetic construct
US-09-569-920-3

Alignment Scores:
Pred. No.: 19 4 Length: 8893
Score: 36.00 Matches: 8
Percent Similarity: 46.15% Conservative: 4
Best Local Similarity: 30.77% Mismatches: 14
Query Match: 6.00% Indels: 0
DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-09-569-920-3 (1-8893)
Qy 16 GlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGlu 35
Db 3719 CAACGATCATCGCGCTGGCGCCATTCGCGCCATTACCGAGTCCGGGGTGGCGGTGG 3660
Qy 36 ArgThrTyrLeuGlyAsn 41
Db 3659 TGGCGATATCTCGGTAGT 3642

RESULT 21
US-09-471-349-9/c
; Sequence 9, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish

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; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-9

Alignment Scores:
Pred. No.: 17.5 Length: 1541
Score: 34.00 Matches: 10
Percent Similarity: 48.39% Conservative: 5
Best Local Similarity: 32.26% Mismatches: 10
Query Match: 5.67% Indels: 6
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-09-940-235-9 (1-1541)
QY 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
Db 1248 AAGTCCACGACGATGATCAAAACACTTCTCAGCTATGGGTACAAATCTGTTGCGCCTGGC 1189
QY 21 CysTyrAspAsnGlyLysHisTyrGlnIleAsn 31
Db 1188 -----CACCACGACTAAAT 1174

RESULT 23
US-10-631-558-9/c
; Sequence 9, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahn, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 1541
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-9

Alignment Scores:
Pred. No.: 17.5 Length: 1541
Score: 34.00 Matches: 10
Percent Similarity: 48.39% Conservative: 5
Best Local Similarity: 32.26% Mismatches: 10
Query Match: 5.67% Indels: 6
DB: 1 Gaps: 1

US-09-940-235-4 (1-259) x US-10-631-558-9 (1-1541)
QY 1 GlnAlaGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGly 20
Db 1248 AAGTCCACGACGATGATCAAAACACTTCTCAGCTATGGGTACAAATCTGTTGCGCCTGGC 1189
QY 21 CysTyrAspAsnGlyLysHisTyrGlnIleAsn 31
Db 1188 -----CACCACGACTAAAT 1174

RESULT 24
US-09-471-349-1

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; Sequence 1, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-09-471-349-1

Alignment Scores:
Pred. No.: 17.4 Length: 1245
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservatives: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-471-349-1 (1-1245)
QY 44 ValCysThrCysTyrGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1090 ATCATACCGTTTATATGGCAAGCGA-----CCCGAAGGAGAG 1128

QY 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1129 AATGCTAGCTATCATTTAGCCTATGATAAAGATCGTTATACC 1170

RESULT 25
US-09-940-235-4 (1-259) x US-09-471-349-1 (1-1245)
; Sequence 1, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR FILING DATE: 1999-12-23
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-10-631-558-1

Alignment Scores:
Pred. No.: 17.4 Length: 1245
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservatives: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-10-631-558-1 (1-1245)
QY 44 ValCysThrCysTyrGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1090 ATCATACCGTTTATATGGCAAGCGA-----CCCGAAGGAGAG 1128

QY 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1129 AATGCTAGCTATCATTTAGCCTATGATAAAGATCGTTATACC 1170

RESULT 26
US-10-631-558-1
; Sequence 1, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR FILING DATE: 2002-04-09
; PRIOR FILING DATE: 1999-12-23
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1245
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(1242)
US-10-631-558-1

Alignment Scores:
Pred. No.: 17.4 Length: 1245
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservatives: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-10-631-558-1 (1-1245)
QY 44 ValCysThrCysTyrGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1090 ATCATACCGTTTATATGGCAAGCGA-----CCCGAAGGAGAG 1128

QY 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1129 AATGCTAGCTATCATTTAGCCTATGATAAAGATCGTTATACC 1170
```


Qy 64 GluThrCysPhe-----AspLysTyrThr 71
::: |||:|||||
Db 1129 AATGCTAGTATCATTTAGCCTATGATAAAGATCGTTATACC 1170

RESULT 27

US-09-569-920-2
; Sequence 2, Application US/09569920
; GENERAL INFORMATION:
; APPLICANT: Reddy, Vemuri B.
; APPLICANT: Lerner, Echan
; TITLE OF INVENTION: VASODILATOR-THROMBOLYTIC FUSION PROTEIN
; TITLE OF INVENTION: AND CONJUGATES
; FILE REFERENCE: 10284-026001
; CURRENT APPLICATION NUMBER: US/09/569,920
; CURRENT FILING DATE: 2000-05-11
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1254
; TYPE: DNA
; ORGANISM: Streptococcus pyogenes
US-09-569-920-2

Alignment Scores:
Pred. No.: 17.4 Length: 1254
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-569-920-2 (1-1254)

Qy 44 ValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
::: |||:|||||
Db 1096 ATCATACCGTTTATATGCGCAAGCGA-----CCCGAAGGAGAG 1134

Qy 64 GluThrCysPhe-----AspLysTyrThr 71
::: |||:|||||

Db 1135 AATGCTAGTATCATTTAGCCTATGATAAAGATCGTTATACC 1176

RESULT 28

US-09-471-349-6
; Sequence 6, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-6

Alignment Scores:
Pred. No.: 17.5 Length: 1327
Score: 33.50 Matches: 10

Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-471-349-6 (1-1327)

Qy 44 ValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
::: |||:|||||
Db 1172 ATCATACCGTTTATATGCGCAAGCGA-----CCCGAAGGAGAG 1210

Qy 64 GluThrCysPhe-----AspLysTyrThr 71
::: |||:|||||

Db 1211 AATGCTAGTATCATTTAGCCTATGATAAAGATCGTTATACC 1252

RESULT 29

US-09-940-235-6
; Sequence 6, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.: 17.5 Length: 1327
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)

Qy 44 ValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
::: |||:|||||
Db 1172 ATCATACCGTTTATATGCGCAAGCGA-----CCCGAAGGAGAG 1210

Qy 64 GluThrCysPhe-----AspLysTyrThr 71
::: |||:|||||

Db 1211 AATGCTAGTATCATTTAGCCTATGATAAAGATCGTTATACC 1252

RESULT 30

US-10-631-558-6
; Sequence 6, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha

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; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-10-631-558-6

Alignment Scores:
Pred. No.: 17.5 Length: 1327
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 2 Gaps: 2

US-09-940-235-4 (1-259) x US-10-631-558-6 (1-1327)
QY 44 ValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1172 ATCATACCGTTTATATGCGCAAGCGA-----CCCGAAGGAGAG 1210
QY 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1211 AATGCTAGCTATCATTTAGCCTATGATAAAGATCGTTATACC 1252
RESULT 31
US-09-471-349-5
; Sequence 5, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-471-349-5

Alignment Scores:
Pred. No.: 17.5 Length: 1377
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
```

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DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-471-349-5 (1-1377)
QY 44 ValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1222 ATCATACCGTTTATATGCGCAAGCGA-----CCCGAAGGAGAG 1260
QY 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1261 AATGCTAGCTATCATTTAGCCTATGATAAAGATCGTTATACC 1302
RESULT 32
US-09-940-235-5
; Sequence 5, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-5

Alignment Scores:
Pred. No.: 17.5 Length: 1377
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 2 Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-5 (1-1377)
QY 44 ValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1222 ATCATACCGTTTATATGCGCAAGCGA-----CCCGAAGGAGAG 1260
QY 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1261 AATGCTAGCTATCATTTAGCCTATGATAAAGATCGTTATACC 1302
RESULT 33
US-10-631-558-5
; Sequence 5, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammarra
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
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; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-10-631-558-5

Alignment Scores:
Pred. No.: 17.5 Length: 1377
Score: 33.50 Matches: 10
Percent Similarity: 38.24% Conservative: 3
Best Local Similarity: 29.41% Mismatches: 8
Query Match: 5.58% Indels: 13
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-10-631-558-5 (1-1377)
QY 44 ValCysThrCysTyrGlyGlySerArgGlyPheAsnCysGluSerLysProGluAlaGlu 63
Db 1222 ATCATACCGTTTATATGCGCAACGCA-----CCCGAAGGAGAG 1260
QY 64 GluThrCysPhe-----AspLysTyrThr 71
Db 1261 AATGCTAGTATCATTTAGCTTATGATAAAGATCGTTATACC 1302

RESULT 34
US-09-471-349-10/c
; Sequence 10, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahn, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; FILE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetically generated primer
US-09-471-349-10

Alignment Scores:
Pred. No.: 18.4 Length: 1661
Score: 32.00 Matches: 9
Percent Similarity: 43.24% Conservative: 7
Best Local Similarity: 24.32% Mismatches: 21
Query Match: 5.33% Indels: 0
DB: 1 Gaps: 0
```

```
US-09-940-235-4 (1-259) x US-09-471-349-10 (1-1661)
QY 15 SerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnTrp 34
Db 1641 TCCTCGCCAGCCCGCATGAGTACAGTCCAGATCATGGAGTCTTTAGGACGCTCAT 1582
QY 35 GluArgThrTyrLeuGlyAsnValLeuValCysThrCysTyrGlyGlySer 51
Db 1581 AAGTGTCAACCCACTCGTAAAGTGTTCCTCCAGTGTACTTGTCAAAGCAAGTCT 1531

RESULT 35
US-09-940-235-10/c
; Sequence 10, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahn, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-09-940-235-10

Alignment Scores:
Pred. No.: 18.4 Length: 1661
Score: 32.00 Matches: 9
Percent Similarity: 43.24% Conservative: 7
Best Local Similarity: 24.32% Mismatches: 21
Query Match: 5.33% Indels: 0
DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-09-940-235-10 (1-1661)
QY 15 SerGlnSerLysProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnTrp 34
Db 1641 TCCTCGCCAGCCCGCATGAGTACAGTCCAGATCATGGAGTCTTTAGGACGCTCAT 1582
QY 35 GluArgThrTyrLeuGlyAsnValLeuValCysThrCysTyrGlyGlySer 51
Db 1581 AAGTGTCAACCCACTCGTAAAGTGTTCCTCCAGTGTACTTGTCAAAGCAAGTCT 1531

RESULT 36
US-10-631-558-10/c
; Sequence 10, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahn, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
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; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/10/631,558
; CURRENT FILING DATE: 2003-07-31
; PRIOR APPLICATION NUMBER: US/09/940,235
; PRIOR FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 1661
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Hybrid cassette
US-10-631-558-10

Alignment Scores:
Pred. No.: 18.4 Length: 1661
Score: 32.00 Matches: 9
Percent Similarity: 43.24% Conservative: 7
Best Local Similarity: 24.32% Mismatches: 21
Query Match: 5.33% Indels: 0
DB: 1 Gaps: 0

US-09-940-235-4 (1-259) x US-10-631-558-10 (1-1661)
Qy 15 SerGlnSerProGlyCysTyrAspAsnGlyLysHisTyrGlnIleAsnGlnInTrp 34
Db 1641 TCCCTGCCAGCCCGGATGAGGTACAGTCCCATGATGAGTCTTAGGACGCTCAT 1582
Qy 35 GluArgThrTyrLeuGlyAsnValLeuValCysThrCysTyrGlyGlySer 51
Db 1591 AAGTGTACCACCTCGGTAAAGTGTCCCGAGTGACTGTGCAAGCAAGTCT 1531

RESULT 37
US-09-471-349-5/c
; Sequence 5, Application US/09471349
; GENERAL INFORMATION:
; APPLICANT: Sahni, Girish
; APPLICANT: Kumar, Rajesh
; APPLICANT: Roy, Chaiti
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
; TITLE OF INVENTION: PREPARATION OF SAID PROTEINS
; FILE REFERENCE: 07064/009001
; CURRENT APPLICATION NUMBER: US/09/471,349
; CURRENT FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-471-349-5

Alignment Scores:
Pred. No.: 19.4 Length: 1377
Score: 29.00 Matches: 11
Percent Similarity: 37.50% Conservative: 4
Best Local Similarity: 27.50% Mismatches: 15
Query Match: 4.83% Indels: 10
DB: 1 Gaps: 2

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DB: 1 Gaps: 2
US-09-940-235-4 (1-259) x US-09-471-349-5 (1-1377)
Qy 3 GlnGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGlyCys--- 21
Db 211 CAACAGTACCAGCAACGCTAACCAACAAT-----GGCTGTGT 173
Qy 22 -----TyrAspAsnGlyLysHisTyrGlnIleAsnGlnInTrpGluArgThrTyrLeu 39
Db 172 TGACAGATGGACGGTCTAGCAGCCACTCAGTCCAGCAATCATGGTATATCTCTCTTA 113

RESULT 38
US-09-940-235-5/c
; Sequence 5, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 1377
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-5

Alignment Scores:
Pred. No.: 19.4 Length: 1377
Score: 29.00 Matches: 11
Percent Similarity: 37.50% Conservative: 4
Best Local Similarity: 27.50% Mismatches: 15
Query Match: 4.83% Indels: 10
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-5 (1-1377)
Qy 3 GlnGlnMetValGlnProGlnSerProValAlaValSerGlnSerLysProGlyCys--- 21
Db 211 CAACAGTACCAGCAACGCTAACCAACAAT-----GGCTGTGT 173
Qy 22 -----TyrAspAsnGlyLysHisTyrGlnIleAsnGlnInTrpGluArgThrTyrLeu 39
Db 172 TGACAGATGGACGGTCTAGCAGCCACTCAGTCCAGCAATCATGGTATATCTCTCTTA 113

RESULT 39
US-10-631-558-5/c
; Sequence 5, Application US/10631558
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: Roy, Chait
; APPLICANT: Rajagopal, Kammara
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION

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QY 43 LeuValCysThrCysTyrGlyGlySerArgGlyPhe 54
| | | | | | | | | | | | | | | | | | | | | |
Db 494 -----TGTAACGTATATTCCACATCAACAGATTTC 4655
RESULT 42
US-10-631-558-1/c

Sequence 1, Application US/10631558

GENERAL INFORMATION:
APPLICANT: Kumar, Rajesh
APPLICANT: Sahni, Girish
APPLICANT: Roy, Chait
APPLICANT: Rajagopal, Kamara
APPLICANT: Nihalani, Deepak
APPLICANT: Sundaram, Vasudha
APPLICANT: Yadav, Mahavir
TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
TITLE OF INVENTION: PROTEIN
FILE REFERENCE: 07064-009002
CURRENT APPLICATION NUMBER: US/10/631,558
CURRENT FILING DATE: 2003-07-31
PRIOR APPLICATION NUMBER: US/09/940,235
PRIOR FILING DATE: 2002-04-09
PRIOR APPLICATION NUMBER: 09/471,349
PRIOR FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: IN 3825/DEL/98
PRIOR FILING DATE: 1998-12-24
NUMBER OF SEQ ID NOS: 28
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1
LENGTH: 1245
TYPE: DNA
ORGANISM: Streptococcus equisimilis
FEATURE:
NAME/KEY: CDS
LOCATION: (1)...(1242)
US-10-631-558-1

Alignment Scores:
Pred. No.: 19.5 Length: 1245
Score: 28.50 Matches: 12
Percent Similarity: 34.62% Conservative: 6
Best Local Similarity: 23.08% Mismatches: 19
Query Match: 4.75% Indels: 15
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-10-631-558-1 (1-1245)

QY 5 MetValGlnProGlnSerProVal-----AlaValSerGlnSerLysProGlyCysTyr 22
Db 581 ATGGTGTACCCGATAGCTAGTGTTCATAGCTTAGTATCTTTGAGACCTGGTCTGAAA 522
QY 23 AspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyrLeuGlyAsnVal 42
Db 521 TCGTCATCAGGTTTAAAGGAGTAAC----- 495

QY 43 LeuValCysThrCysTyrGlyCysArgGlyPhe 54
Db 494 -----TGTACAGTATATTCACATCAACAGATTTC 465

RESULT 43

US-09-569-920-2/c
Sequence 2, Application US/09569920
GENERAL INFORMATION:
APPLICANT: Reddy, Vemuri B.
APPLICANT: Lerner, Ethan
TITLE OF INVENTION: VASODILATOR-THROMBOLYTIC FUSION PROTEIN
TITLE OF INVENTION: AND CONJUGATES
FILE REFERENCE: 10284-026001
CURRENT APPLICATION NUMBER: US/09/569,920
CURRENT FILING DATE: 2000-05-11
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 2
LENGTH: 1254
TYPE: DNA
ORGANISM: Streptococcus pyogenes
US-09-569-920-2

Alignment Scores:

Pred. No.: 19.5 Length: 1254
Score: 28.50 Matches: 12
Percent Similarity: 34.62% Conservative: 6
Best Local Similarity: 23.08% Mismatches: 19
Query Match: 4.75% Indels: 15
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-569-920-2 (1-1254)

QY 5 MetValGlnProGlnSerProVal-----AlaValSerGlnSerLysProGlyCysTyr 22
Db 587 ATGGTGTACCCGATAGCTAGTGTTCATAGCTTAGTATCTTTGAGACCTGGTCTGAAA 528
QY 23 AspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyrLeuGlyAsnVal 42
Db 527 TCGTCATCAGGTTTAAAGGAGTAAC----- 501
QY 43 LeuValCysThrCysTyrGlyCysArgGlyPhe 54
Db 500 -----TGTACAGTATATTCACATCAACAGATTTC 471

RESULT 44

US-09-471-349-6/c
Sequence 6, Application US/09471349
GENERAL INFORMATION:
APPLICANT: Sahni, Girish
APPLICANT: Kumar, Rajesh
APPLICANT: Roy, Chait
APPLICANT: Rajagopal, Kamara
APPLICANT: Nihalani, Deepak
APPLICANT: Sundaram, Vasudha
APPLICANT: Yadav, Mahavir
TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE PROTEINS POSSESSING ALTERED
TITLE OF INVENTION: PLASMINOGEN ACTIVATION CHARACTERISTICS AND A PROCESS FOR THE
FILE REFERENCE: 07064/009001
CURRENT APPLICATION NUMBER: US/09/471,349
CURRENT FILING DATE: 1999-12-23
PRIOR APPLICATION NUMBER: IN 3825/DEL/98
PRIOR FILING DATE: 1998-12-24
NUMBER OF SEQ ID NOS: 24
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 6
LENGTH: 1327
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Synthetically generated primer
US-09-471-349-6

Alignment Scores:
Pred. No.: 19.6 Length: 1327
Score: 28.50 Matches: 12
Percent Similarity: 34.62% Conservative: 6
Best Local Similarity: 23.08% Mismatches: 19
Query Match: 4.75% Indels: 15
DB: 1 Gaps: 2

US-09-940-235-4 (1-259) x US-09-471-349-6 (1-1327)

QY 5 MetValGlnProGlnSerProVal-----AlaValSerGlnSerLysProGlyCysTyr 22
Db 663 ATGGTGTACCCGATAGCTAGTGTTCATAGCTTAGTATCTTTGAGACCTGGTCTGAAA 604
QY 23 AspAsnGlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyrLeuGlyAsnVal 42
Db 603 TCGTCATCAGGTTTAAAGGAGTAAC----- 577
QY 43 LeuValCysThrCysTyrGlyCysArgGlyPhe 54
Db 576 -----TGTACAGTATATTCACATCAACAGATTTC 547

```
RESULT 45
US-09-940-235-6/c
; Sequence 6, Application US/09940235
; GENERAL INFORMATION:
; APPLICANT: Kumar, Rajesh
; APPLICANT: Sahni, Girish
; APPLICANT: ROY, Chait
; APPLICANT: Rajagopal, Kammar
; APPLICANT: Nihalani, Deepak
; APPLICANT: Sundaram, Vasudha
; APPLICANT: Yadav, Mahavir
; TITLE OF INVENTION: NOVEL CLOT-SPECIFIC STREPTOKINASE
; TITLE OF INVENTION: PROTEINS POSSESSING ALTERED PLASMINOGEN ACTIVATION
; TITLE OF INVENTION: CHARACTERISTICS AND A PROCESS FOR THE PREPARATION OF SAID
; TITLE OF INVENTION: PROTEIN
; FILE REFERENCE: 07064-009002
; CURRENT APPLICATION NUMBER: US/09/940,235
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: 09/471,349
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: IN 3825/DEL/98
; PRIOR FILING DATE: 1998-12-24
; NUMBER OF SEQ ID NOS: 28
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1327
; TYPE: DNA
; ORGANISM: Streptococcus equisimilis
US-09-940-235-6

Alignment Scores:
Pred. No.:      19.6      Length:      1327
Score:          28.50     Matches:      12
Percent Similarity: 34.62% Conservative: 6
Best Local Similarity: 23.08% Mismatches: 19
Query Match:      4.75% Indels: 15
DB:               1      Gaps: 2

US-09-940-235-4 (1-259) x US-09-940-235-6 (1-1327)
Qy      5 MetValGlnProGlnSerProVal-----AlaValSerGlnSerLysProGlyCysTyr 22
Db      663 ATGGTGTCAACCGATAGCTAGTGTCTTCAATAGCTTAGTATCTTTGAGACCTGGTCTGAAA 604
Qy      23 AsphaenGlyLysHisTyrGlnIleAsnGlnGlnTrpGluArgThrTyrLeuGlyAsnVal 42
Db      603 TCGTCATCAGGGGTTTAAGGGAGTAAAC-----
Qy      43 LeuValCysThrCysTyrGlyGlySerArgGlyPhe 54
Db      576 -----TGTACAGTATATTTCCACATCACAGATTTC 547

Search completed: May 11, 2005, 08:38:13
Job time : 7 secs
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